

# Service Manual

VCR-32DAD  
VCR-52DAD  
VCR-32DAP  
VCR-32DAP (AB)  
VCR-32DAP (QB)  
VCR-52VAD

## SPECIFICATIONS

Format	: VHS standard
Recording System	: 2 rotary heads, helical scanning system Luminance: FM azimuth recording Color Signal: converted subcarrier phase shift recording
Video Signal System	: PAL-type color signal
Audio Track	: 1 track
Tape width	: 12.65mm (1/2 inch)
Tape Speed	: 23.39 mm/s
Maximum Recording Time:	240 min. with E-240 videocassette
FF/REW Time	: Less than 5 min±30 sec. (E-180)
Power Source	: 220V 50Hz, 240V 50Hz
Power Consumption	: 30 watts
Input Level	: Video: VIDEO IN jack (RCA) 1.0Vp-p, 75Ω unbalanced Audio: AUDIO IN jack (RCA) -10dBs, 50KΩ unbalanced TV Tuners: VHF 2-S20 UHF 21-69 *VCR-32 DAP: UHF ONLY

Output Level	: Video: VIDEO OUT jack (RCA) 1.0Vp-p, 75Ω unbalanced Audio: AUDIO OUT jack (RCA) -5dBs, Less than 10KΩ unbalanced RF Modulated: channel 30~39 75Ω unbalanced
Video Horizontal Resolution	: more than 240 lines
Audio Frequency Response	: 150Hz-8KHz
Signal-to-Noise Ratio	: Video: better than 45dB Audio: better than 40dB
Operating Temperature	: 5°C-40°C (41°F-104°F)
Weight	: 7.2 kg
Dimensions	: 430mm(W)×95mm(H)×370mm(D) 16.9"×3.7"×14.5"
Provided Accessories	: Remote control unit RF Cable (DIN)

This service manual technical information which will allow service technicians to understand and serve the VHS Video Cassette Recorder Model VCR-52DAD, VCR-32DAD, VCR-32DAP, VCR-32DAP (AB), VCR-32DAP (QB) and VCR-52DAD.

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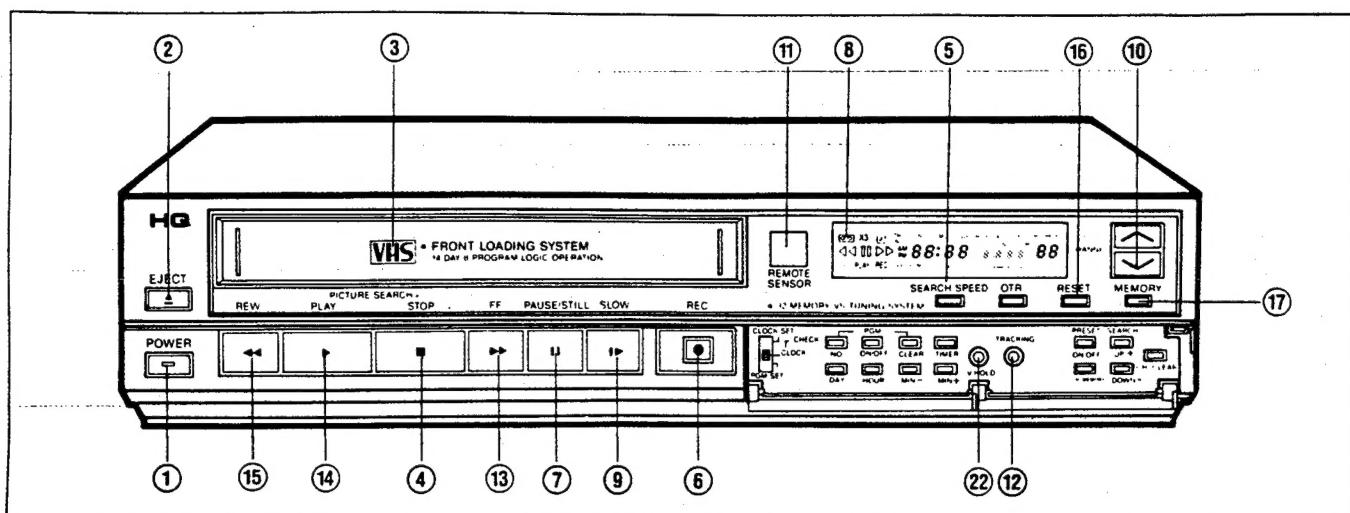
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# VCR-52DAD

## IDENTIFICATION AND OPERATION OF CONTROLS(I)



**① POWER Switch/Power Lamp**  
Turns VCR power on and off.

**② EJECT Button**  
Press remove the cassette from the cassette compartment.

**③ Cassette Compartment**  
When the cassette is inserted in this compartment, the cassette will automatically be ready for operation. The cassette indicator lamp (8) will light up.

**④ STOP Button**  
Push to stop. All operating modes are cancelled.

**⑤ SEARCH SPEED SWITCH**  
In the picture search mode, You can select search speed. (3 times or 6 times)

**Note :** X3 lamp will light up when the search speed switch is in the 3 times normal speed mode.

**⑥ RECORD Button**  
Push this button to record. If the safety tab has been removed from the cassette, it will not be possible to record, thereby preventing your recordings from accidentally erased.

**⑦ PAUSE/STILL Button**  
In the recording mode, you can stop the operation of the recorder temporarily. In the playback mode, a picture will appear in the STILL mode. The STILL mode is released automatically after 5 minutes, and will return to the play mode.

**⑧ Cassette Indicator Lamp**  
When the cassette is correctly inserted in the recorder, this cassette indicator lamp will light up.

**⑨ SLOW Button**  
Push this button to slow the picture. When this button is pushed during playback, the picture will move slowly.

**⑩ Channel Selector Buttons**  
Press to select the channels you wish to view or record.

**⑪ REMOTE Sensor**  
Receives signals from the Remote Controller.

**⑫ TRACKING Knob**  
Used when playing cassettes recorded on other machines using the VHS-system. Adjust this control to minimize black streaks across the TV picture during playback. Set the control in its center position when recording and during subsequent playback of cassettes on this VCR.

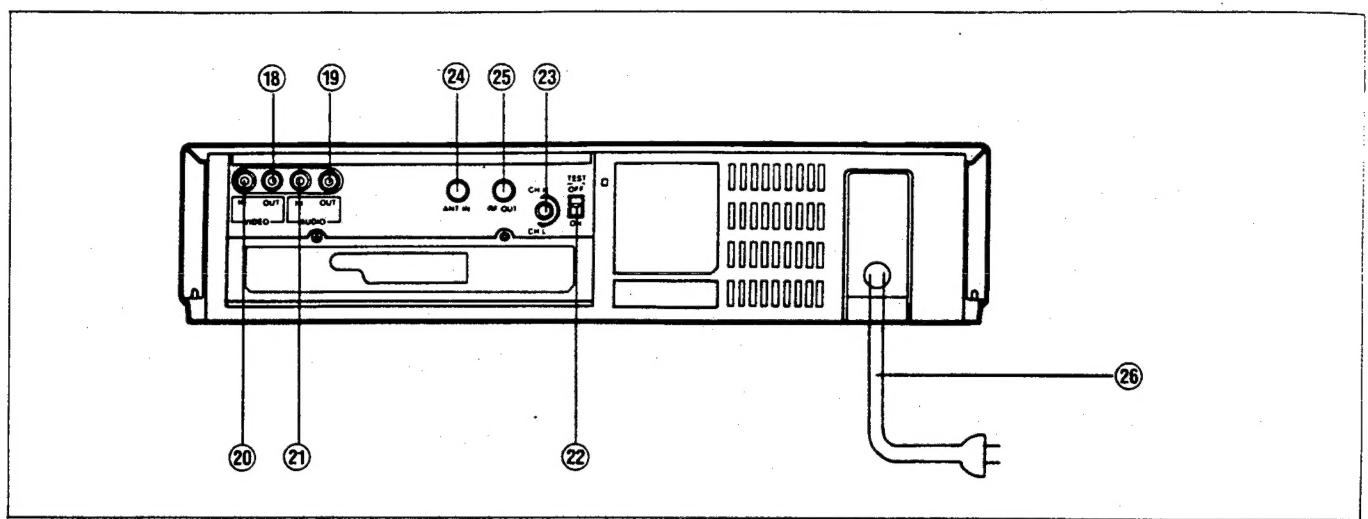
**⑬ FF Button**  
The FF Button serves a dual purpose. Push to fast forward the tape. When this button is pushed during the playback mode, the picture will move quickly forward and you can search for the desired part of the program. When released, the recorder will return to the PLAY mode.

**⑭ PLAY Button**  
Push to playback the recorded tape.

**⑮ REW Button**  
The REW Button serves a dual purpose. Push to rewind the tape. When this button is pushed during the playback mode, the picture will move quickly backward and you can search for the desired part of the program. When released, the recorder will return to the PLAY mode.

**⑯ RESET Button**  
Press to set the tape counter at the "0000" position.

**⑰ MEMORY Button**  
Press to memory "0000" of the counter. When the memory is set. "M" will light up at the head of the counter number, and your VCR will stop at "0000" during FF or REW operation.



**(18) VIDEO OUT Terminal**

Provides a video signal from the recorder to be used by other equipment.

**(19) AUDIO OUT Terminal**

Provides an audio signal from the recorder to be used by other equipment.

**(20) VIDEO IN Terminal**

Receives a video signal from other video equipment. Connecting a plug into this jack cuts off the picture from the tuner and records the video signal connected into the "VIDEO IN" Jack.

Disconnecting the plug will automatically resume the picture from the tuner.

**(21) AUDIO IN Terminal**

Receives an audio signal from other equipment. Connecting a plug into this jack will cut off the audio signal coming from the tuner and records the audio signal connected to this "AUDIO IN" Jack. Disconnecting the plug will resume the audio signal from the tuner.

**(22) TEST SIGNAL SWITCH**

**(23) RF Output Channel Adjustment Screw**

**(24) ANT IN Terminal**

Connect a TV aerial to this terminal.

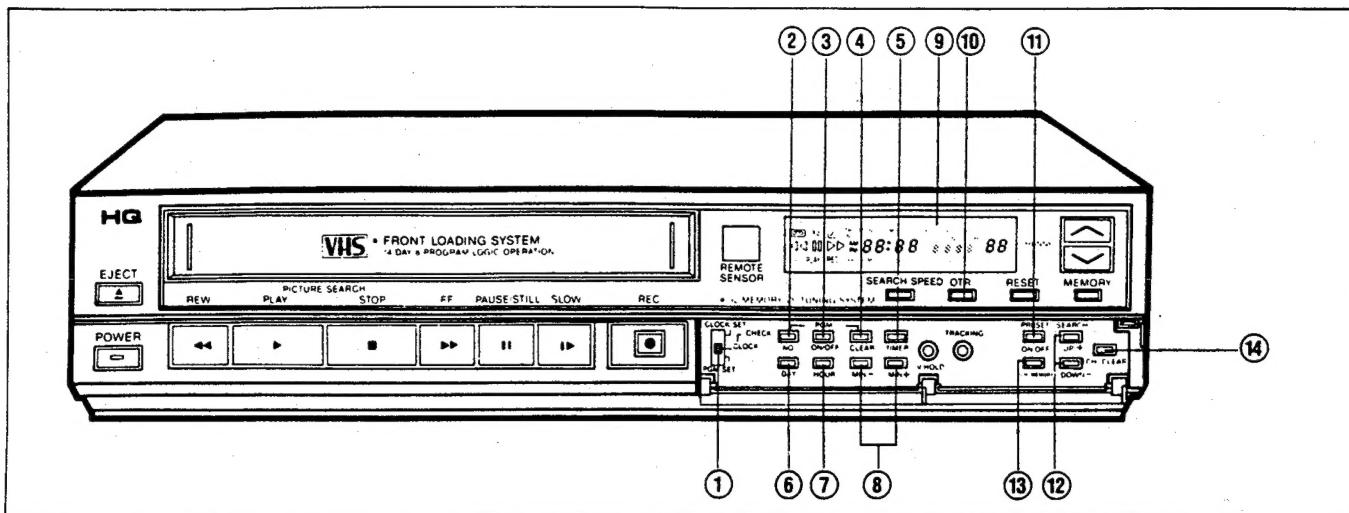
**(25) RF OUT Terminal**

Connect to the aerial terminal of a TV receiver with the RF cable (provided).

**(26) POWER CORD**

Connect this cord into the AC outlet (AC 220V).

# IDENTIFICATION AND OPERATION OF CONTROLS (II): TIMER, CH PRESET PART



## ① Mode selector switch

- CLOCK SET : Put to set the present time.
- CLOCK : Current time is displayed.
- PGM SET : Put to program to timer.

## ② PGM NO Button

Press to select the desired number of programs (1-8) during timer Recording.

## ③ PGM ON/OFF Button

This button is used before setting start/stop time for each program.

## ④ PGM CLEAR Button

Press to cancel the program input.

## ⑤ Timer Button

This button is used for unattended recording after programming functions have been completed. When this button is pressed, "⌚" will appear on the Multi-Function Display.

## ⑥ Day Button

Press to set the day of week.

## ⑦ Hour Button

Press to set the hour.

## ⑧ Min +/- Button

- Used to set the minute digits.
- When the button is pressed, the digit will advance rapidly.

## ⑨ Multi-Function Display

## ⑩ OTR Button

Press to input the recording time. Each touch to the button will increase the recording time by 30 minutes for up to 4 hours.

## ⑪ Preset ON/OFF Button

This button is used before tuning the channels.

## ⑫ Search +/- Button

Press to select the channels.

## ⑬ CH. Memory Button

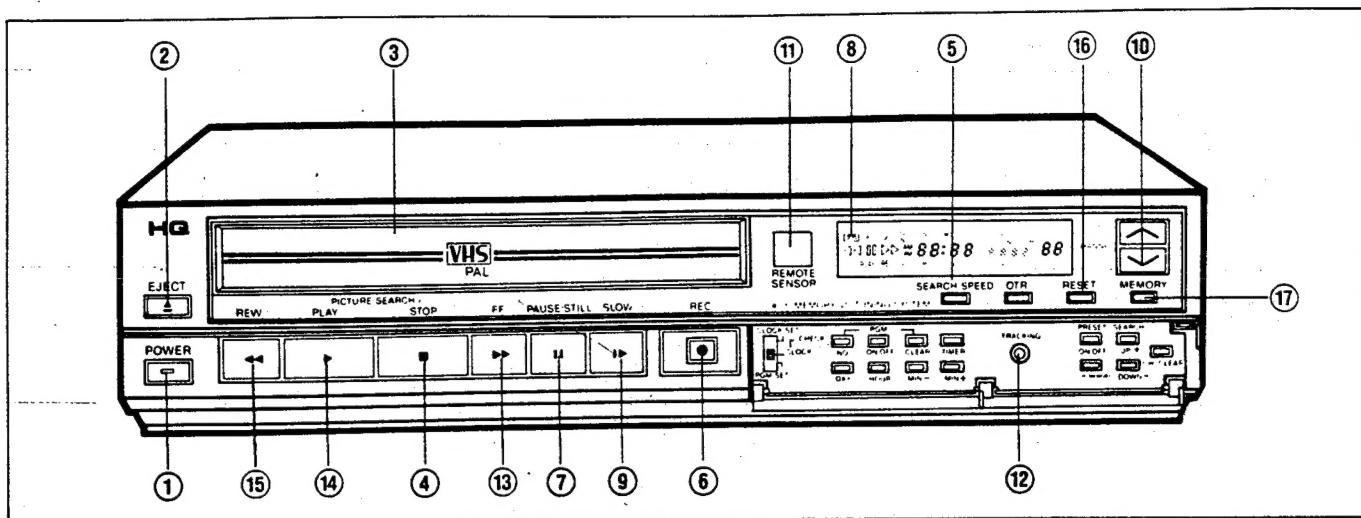
Push to fix the channel memory after selecting the channels.

## ⑭ CH. Clear

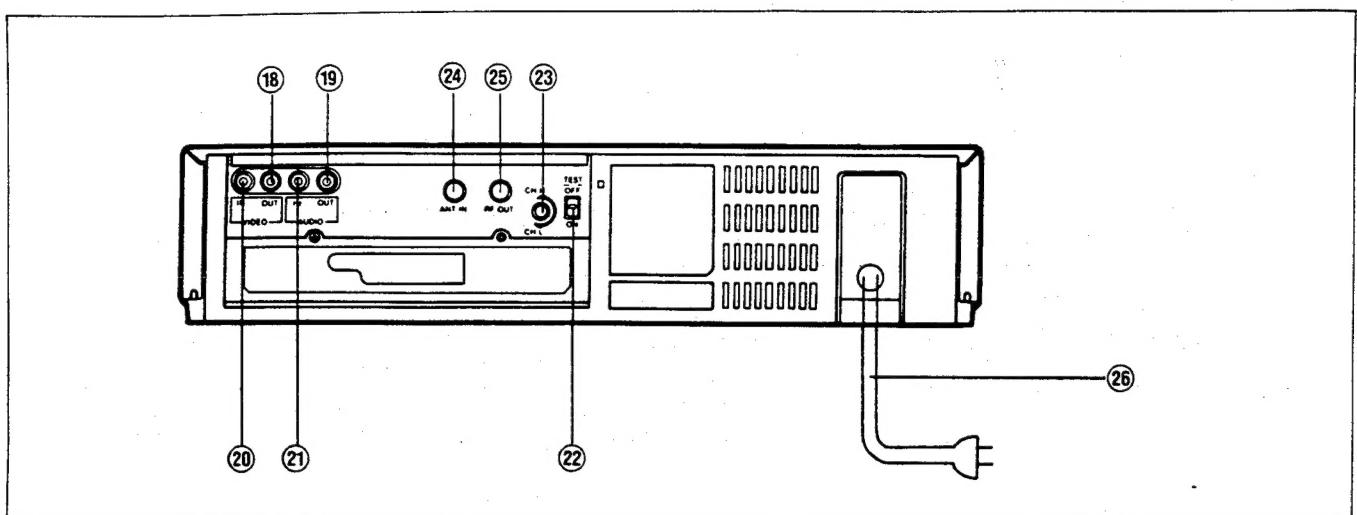
Press to clear the channel memory.

# VCR-32DAD

## IDENTIFICATION AND OPERATION OF CONTROLS (I)



- (1) POWER Switch/Power Lamp**  
Turns VCR power on and off.
- (2) EJECT Button**  
Press remove the cassette from the cassette compartment.
- (3) Cassette Compartment**  
When the cassette is inserted in this compartment, the cassette will automatically be ready for operation. The cassette indicator lamp (8) will light up.
- (4) STOP Button**  
Push to stop. All operating modes are cancelled.
- (5) SEARCH SPEED SWITCH**  
In the picture search mode, You can select search speed. (3 times or 6 times)  
  
**Note :** X3 lamp will light up when the search speed switch is in the 3 times normal speed mode.
- (6) RECORD Button**  
Push this button to record. If the safety tab has been removed from the cassette, it will not be possible to reocrd, thereby preventing your recordings from accidentally erased.
- (7) PAUSE/STILL Button**  
In the recording mode, you can stop the operation of the recorder temporarily. In the playback mode, a picture will appear in the STILL mode. The STILL mode is released automatically after 5 minutes, and will return to the paly mode.
- (8) Cassette Indicator Lamp**  
When the cassette is correctly inserted in the recorder, this cassette indicator lamp will light up.
- (9) SLOW Button**  
Push this button to slow the picture. When this button is pushed during playback, the picture will move slowly.
- (10) Channel Selector Buttons**  
Press to select the channels you wish to view or record.
- (11) REMOTE Sensor**  
Receives signals from the Remote Controller.
- (12) TRACKING Knob**  
Used when playing cassettes recorded on other machines using the VHS-system. Adjust this control to minimize black streaks across the TV picture during playback. Set the control in its center position when recording and during subsequent playback of cassettes on this VCR.
- (13) FF Button**  
The FF Button serves a dual purpose. Push to fast forward the tape. When this button is pushed during the playback mode, the picture will move quickly forward and you can search for the desired part of the program. When released, the recorder will return to the PLAY mode.
- (14) PLAY Button**  
Push to playback the recorded tape.
- (15) REW Button**  
The REW Button serves a dual purpose. Push to rewind the tape. When this button is pushed during the playback mode, the picture will move quickly backward and you can search for the desired part of the program. When released, the recorder will return to the PLAY mode.
- (16) RESET Button**  
Press to set the tape counter at the "0000" position.
- (17) MEMORY Button**  
Press to memory "0000" of the counter. When the memory is set, "M" will light up at the head of the counter number, and your VCR will stop at "0000" during FF or REW operation.



**(18) VIDEO OUT Terminal**

Provides a video signal from the recorder to be used by other equipment.

**(19) AUDIO OUT Terminal**

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Disconnecting the plug will automatically resume the picture from the tuner.

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**(22) TEST SIGNAL SWITCH**

**(23) RF Output Channel Adjustment Screw**

**(24) ANT IN Terminal**

Connect a TV aerial to this terminal.

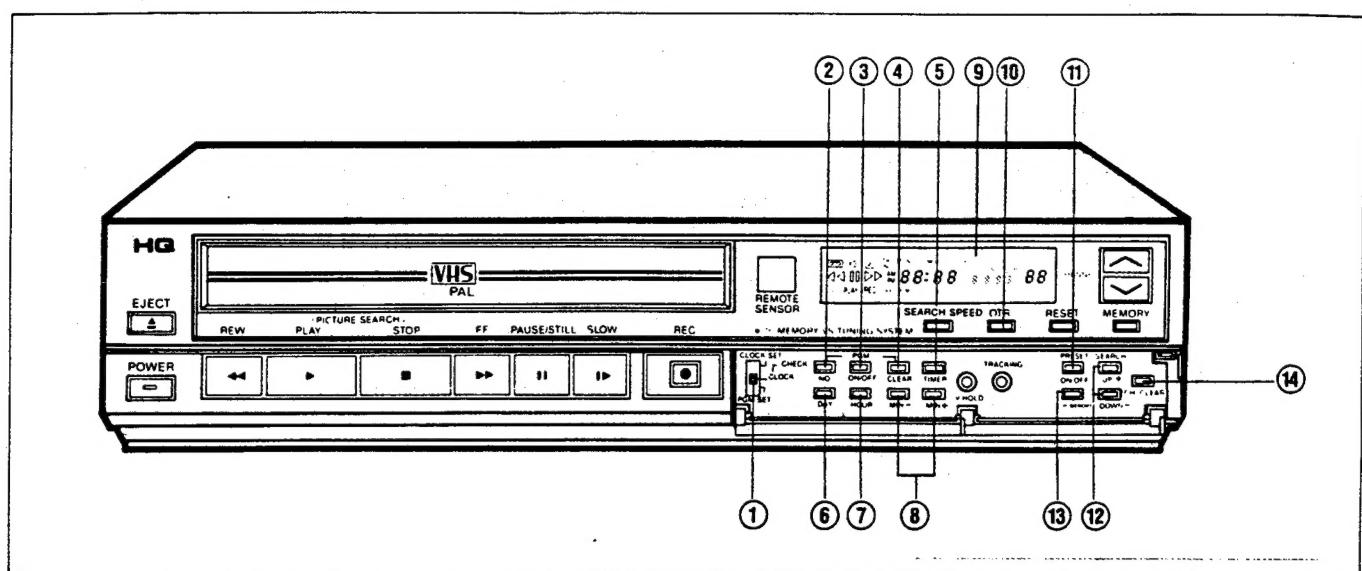
**(25) RF OUT Terminal**

Connect to the aerial terminal of a TV receiver with the RF cable (provided).

**(26) POWER CORD**

Connect this cord into the AC outlet (AC 220V).

# IDENTIFICATION AND OPERATION OF CONTROLS (II): TIMER, CH PRESET PART



**① Mode selector switch**

- CLOCK SET : Put to set the present time.
- CLOCK : Current time is displayed.
- PGM SET : Put to program to timer.

**② PGM NO Button**

Press to select the desired number of programs (1-8) during timer Recording.

**③ PGM ON/OFF Button**

This button is used before setting start/stop time for each program.

**④ PGM CLEAR Button**

Press to cancel the program input.

**⑤ Timer Button**

This button is used for unattended recording after programming functions have been completed. When this button is pressed, "T" will appear on the Multi-Function Display.

**⑥ Day Button**

Press to set the day of week.

**⑦ Hour Button**

Press to set the hour.

**⑧ Min +/- Button**

- Used to set the minute digits.
- When the button is pressed, the digit will advance rapidly.

**⑨ Multi-Function Display**

**⑩ OTR Button**

Press to input the recording time. Each touch to the button will increase the recording time by 30 minutes for up to 4 hours.

**⑪ Preset ON/OFF Button**

This button is used before tuning the channels.

**⑫ Search +/- Button**

Press to select the channels.

**⑬ CH. Memory Button**

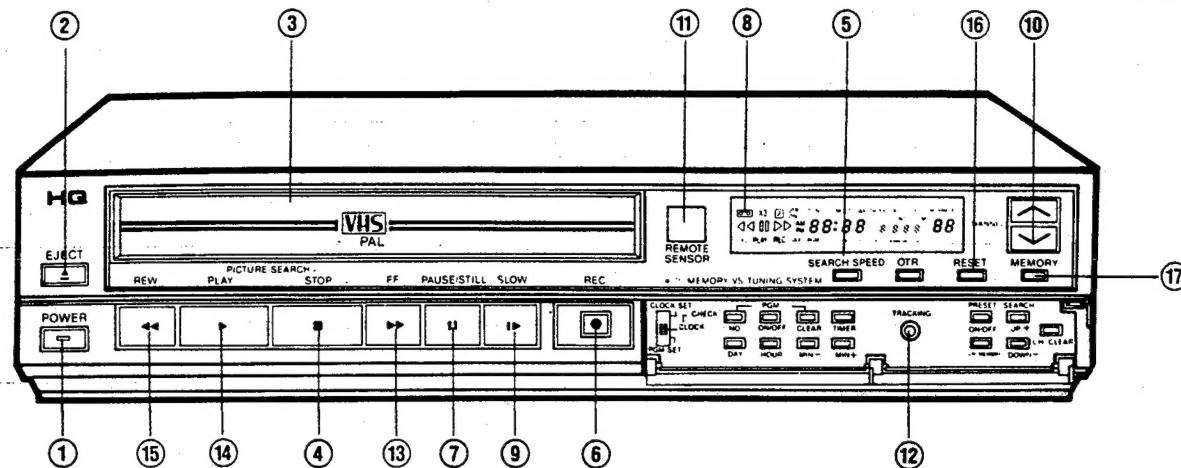
Push to fix the channel memory after selecting the channels.

**⑭ CH. Clear**

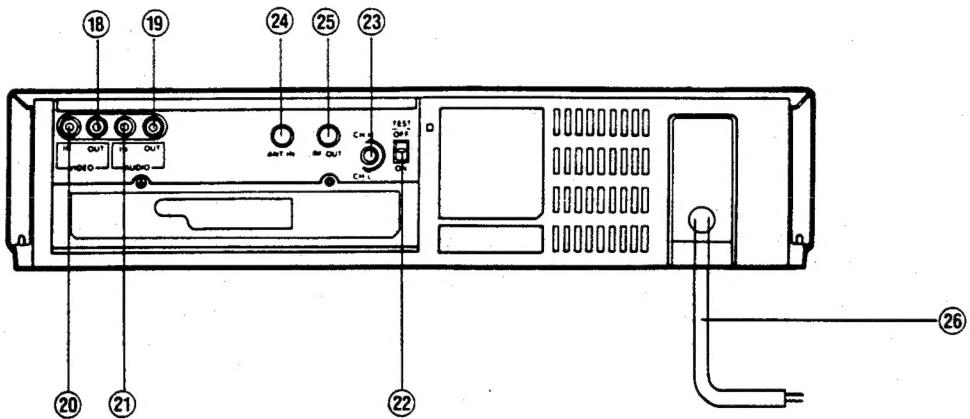
Press to clear the channel memory.

# VCR-32DAP

# IDENTIFICATION AND OPERATION OF CONTROLS (I)



- (1) POWER Switch/Power Lamp**  
Turns VCR power on and off.
- (2) EJECT Button**  
Press to remove the cassette from the cassette compartment.
- (3) Cassette Compartment**  
When the cassette is inserted in this compartment, the cassette will automatically be ready for operation. The cassette indicator lamp (8) will light up.
- (4) STOP Button**  
Push to stop. All operating modes are cancelled.
- (5) SEARCH SPEED SWITCH**  
In the picture search mode, You can select search speed. (3 times or 6 times)  
  
**Note :** X3 lamp will light up when the search speed switch is in the 3 times normal speed mode.
- (6) RECORD Button**  
Push this button to record. If the safety tab has been removed from the cassette, it will not be possible to record, thereby preventing your recordings from accidentally erased.
- (7) PAUSE/STILL Button**  
In the recording mode, you can stop the operation of the recorder temporarily. In the playback mode, a picture will appear in the STILL mode. The STILL mode is released automatically after 5 minutes, and will return to the play mode.
- (8) Cassette Indicator Lamp**  
When the cassette is correctly inserted in the recorder, this cassette indicator lamp will light up.
- (9) SLOW Button**  
Push this button to slow the picture. When this button is pushed during playback, the picture will move slowly.
- (10) Channel Selector Buttons**  
Press to select the channels you wish to view or record.
- (11) REMOTE Sensor**  
Receives signals from the Remote Controller.
- (12) TRACKING Knob**  
Used when playing cassettes recorded on other machines using the VHS-system. Adjust this control to minimize black streaks across the TV picture during playback. Set the control in its center position when recording and during subsequent playback of cassettes on this VCR.
- (13) FF Button**  
The FF Button serves a dual purpose. Push to fast forward the tape. When this button is pushed during the playback mode, the picture will move quickly forward and you can search for the desired part of the program. When released, the recorder will return to the PLAY mode.
- (14) PLAY Button**  
Push to playback the recorded tape.
- (15) REW Button**  
The REW Button serves a dual purpose. Push to rewind the tape. When this button is pushed during the playback mode, the picture will move quickly backward and you can search for the desired part of the program. When released, the recorder will return to the PLAY mode.
- (16) RESET Button**  
Press to set the tape counter at the "0000" position.
- (17) MEMORY Button**  
Press to memory "0000" of the counter. When the memory is set, "M" will light up at the head of the counter number, and your VCR will stop at "0000" during FF or REW operation.



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Provides a video signal from the recorder to be used by other equipment.

**(19) AUDIO OUT Terminal**

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Receives a video signal from other video equipment. Connecting a plug into this jack cuts off the picture from the tuner and records the video signal connected into the "VIDEO IN" Jack.

Disconnecting the plug will automatically resume the picture from the tuner.

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Receives an audio signal from other equipment. Connecting a plug into this jack will cut off the audio signal coming from the tuner and records the audio signal connected to this "AUDIO IN" Jack. Disconnecting the plug will resume the audio signal from the tuner.

**(22) TEST SIGNAL SWITCH**

**(23) RF Output Channel Adjustment Screw**

**(24) ANT IN Terminal**

Connect a TV aerial to this terminal.

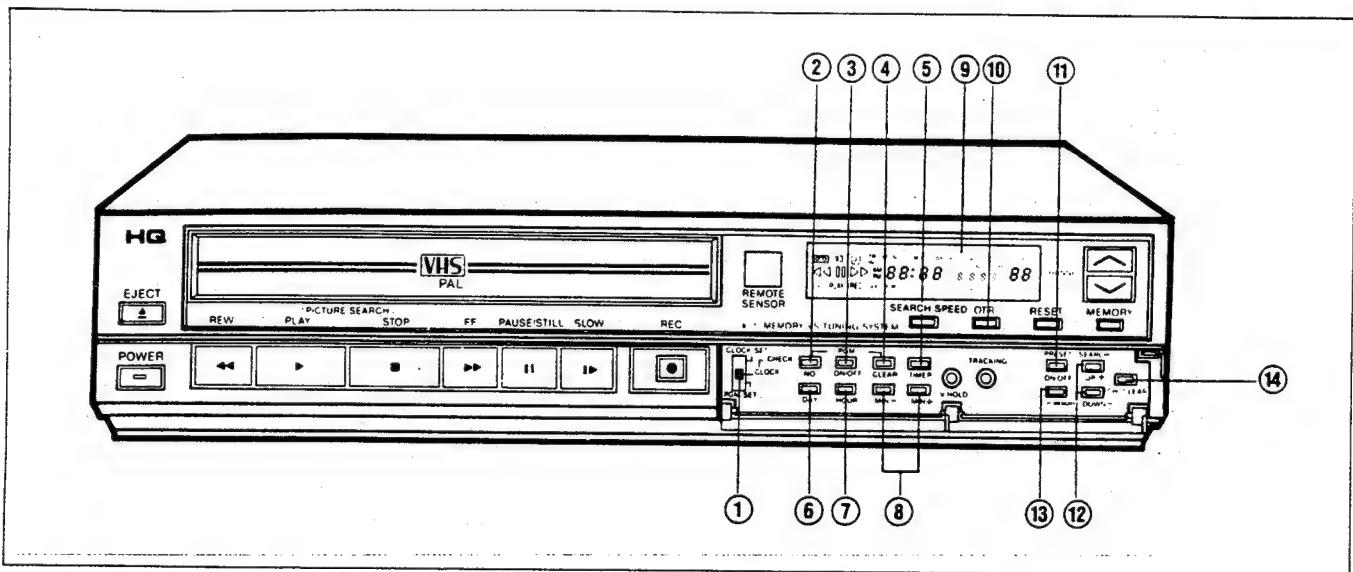
**(25) RF OUT Terminal**

Connect to the aerial terminal of a TV receiver with the RF cable (provided).

**(26) POWER CORD**

Connect this cord into the AC outlet (AC 240V).

# IDENTIFICATION AND OPERATION OF CONTROLS (II): TIMER, CH PRESET PART



**① Mode selector switch**

- CLOCK SET : Put to set the present time.
- CLOCK : Current time is displayed.
- PGM SET : Put to program to timer.

**② PGM NO Button**

Press to select the desired number of programs (1-8) during timer Recording.

**③ PGM ON/OFF Button**

This button is used before setting start/stop time for each program.

**④ PGM CLEAR Button**

Press to cancel the program input.

**⑤ Timer Button**

This button is used for unattended recording after programming functions have been completed. When this button is pressed, "T" will appear on the Multi-Function Display.

**⑥ Day Button**

Press to set the day of week.

**⑦ Hour Button**

Press to set the hour.

**⑧ Min +/- Button**

- Used to set the minute digits.
- When the button is pressed, the digit will advance rapidly.

**⑨ Multi-Function Display**

**⑩ OTR Button**

Press to input the recording time. Each touch to the button will increase the recording time by 30 minutes for up to 4 hours.

**⑪ Preset ON/OFF Button**

This button is used before tuning the channels.

**⑫ Search +/- Button**

Press to select the channels.

**⑬ CH. Memory Button**

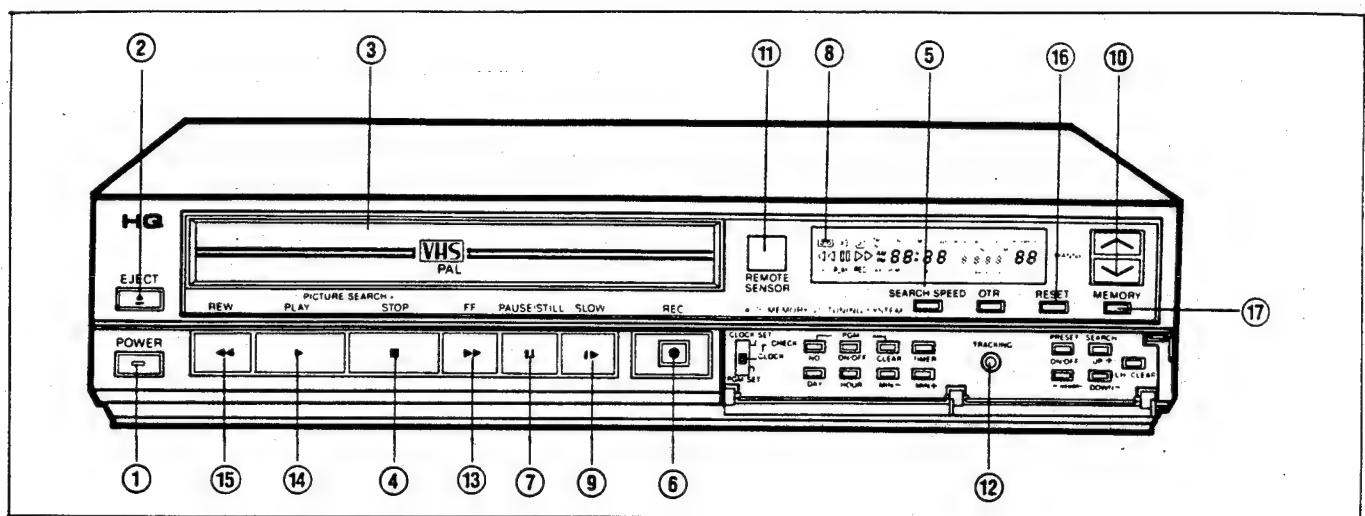
Push to fix the channel memory after selecting the channels.

**⑭ CH. Clear**

Press to clear the channel memory.

## VCR-32DAP (AB)

# IDENTIFICATION AND OPERATION OF CONTROLS (I)



**① POWER Switch/Power Lamp**

Turns VCR power on and off.

**② EJECT Button**

Press remove the cassette from the cassette compartment.

**③ Cassette Compartment**

When the cassette is inserted in this compartment, the cassette will automatically be ready for operation. The cassette indicator lamp (8) will light up.

**④ STOP Button**

Push to stop. All operating modes are cancelled.

**⑤ SEARCH SPEED SWITCH**

In the picture search mode, You can select search speed. (3 times or 6 times)

**Note :** X3 lamp will light up when the search speed switch is in the 3 times normal speed mode.

**⑥ RECORD Button**

Push this button to record. If the safety tab has been removed from the cassette, it will not be possible to record, thereby preventing your recordings from accidentally erased.

**⑦ PAUSE/STILL Button**

In the recording mode, you can stop the operation of the recorder temporarily. In the playback mode, a picture will appear in the STILL mode. The STILL mode is released automatically after 5 minutes, and will return to the play mode.

**⑧ Cassette Indicator Lamp**

When the cassette is correctly inserted in the recorder, this cassette indicator lamp will light up.

**⑨ SLOW Button**

Push this button to slow the picture. When this button is pushed during playback, the picture will move slowly.

**⑩ Channel Selector Buttons**

Press to select the channels you wish to view or record.

**⑪ REMOTE Sensor**

Receives signals from the Remote Controller.

**⑫ TRACKING Knob**

Used when playing cassettes recorded on other machines using the VHS-system. Adjust this control to minimize black streaks across the TV picture during playback. Set the control in its center position when recording and during subsequent playback of cassettes on this VCR.

**⑬ FF Button**

The FF Button serves a dual purpose. Push to fast forward the tape. When this button is pushed during the playback mode, the picture will move quickly forward and you can search for the desired part of the program. When released, the recorder will return to the PLAY mode.

**⑭ PLAY Button**

Push to playback the recorded tape.

**⑮ REW Button**

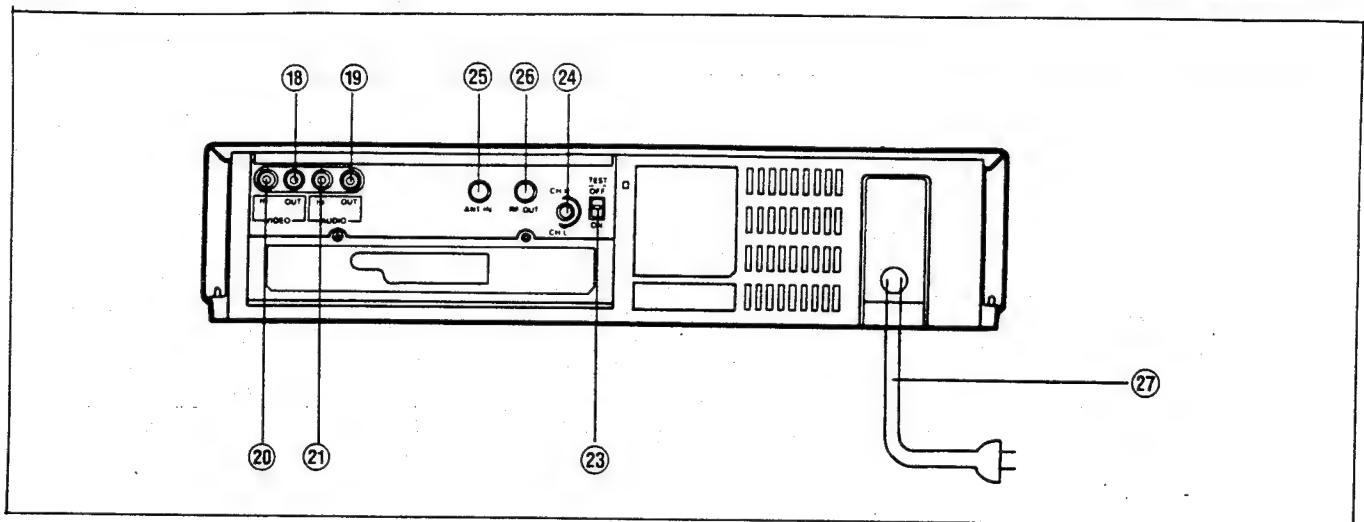
The REW Button serves a dual purpose. Push to rewind the tape. When this button is pushed during the playback mode, the picture will move quickly backward and you can search for the desired part of the program. When released, the recorder will return to the PLAY mode.

**⑯ RESET Button**

Press to set the tape counter at the "0000" position.

**⑰ MEMORY Button**

Press to memory "0000" of the counter. When the memory is set, "M" will light up at the head of the counter number, and your VCR will stop at "0000" during FF or REW operation.



**(18) VIDEO OUT Terminal**

Provides a video signal from the recorder to be used by other equipment.

**(19) AUDIO OUT Terminal**

Provides an audio signal from the recorder to be used by other equipment.

**(20) VIDEO IN Terminal**

Receives a video signal from other video equipment. Connecting a plug into this jack cuts off the picture from the tuner and records the video signal connected into the "VIDEO IN" Jack.

Disconnecting the plug will automatically resume the picture from the tuner.

**(21) AUDIO IN Terminal**

Receives an audio signal from other equipment. Connecting a plug into this jack will cut off the audio signal coming from the tuner and records the audio signal connected to this "AUDIO IN" Jack. Disconnecting the plug will resume the audio signal from the tuner.

**(22) VERTICAL HOLD KNOB**

Adjust this knob to minimize the noise while pressing the STILL/SLOW button simultaneously.

**(23) TEST SIGNAL SWITCH**

**(24) RF Output Channel Adjustment Screw**

**(25) ANT IN Terminal**

Connect a TV aerial to this terminal.

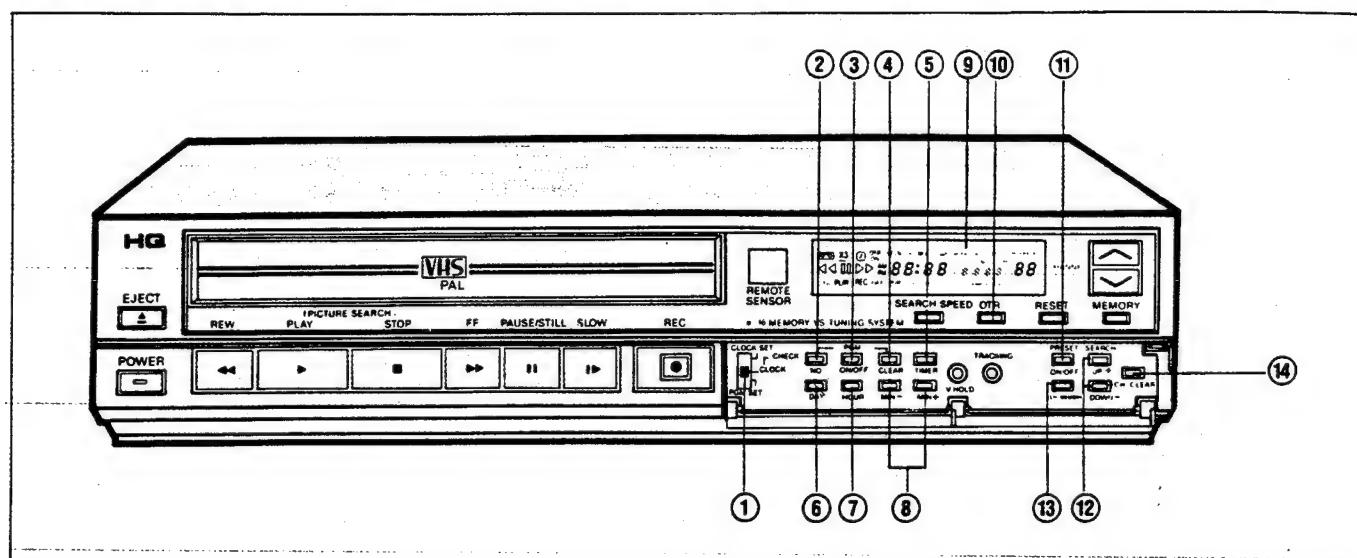
**(26) RF OUT Terminal**

Connect to the aerial terminal of a TV receiver with the RF cable (provided).

**(27) POWER CORD**

Connect this cord into the AC outlet (AC 240V).

# IDENTIFICATION AND OPERATION OF CONTROLS (II): TIMER, CH PRESET PART



**① Mode selector switch**

- CLOCK SET : Put to set the present time.
- CLOCK : Current time is displayed.
- PGM SET : Put to program to timer.

**② PGM NO Button**

Press to select the desired number of programs (1-8) during timer Recording.

**③ PGM ON/OFF Button**

This button is used before setting start/stop time for each program.

**④ PGM CLEAR Button**

Press to cancel the program input.

**⑤ Timer Button**

This button is used for unattended recording after programming functions have been completed. When this button is pressed, "T" will appear on the Multi-Function Display.

**⑥ Day Button**

Press to set the day of week.

**⑦ Hour Button**

Press to set the hour.

**⑧ Min +/- Button**

- Used to set the minute digits.
- When the button is pressed, the digit will advance rapidly.

**⑨ Multi-Function Display**

**⑩ OTR Button**

Press to input the recording time. Each touch to the button will increase the recording time by 30 minutes for up to 4 hours.

**⑪ Preset ON/OFF Button**

This button is used before tuning the channels.

**⑫ Search +/- Button**

Press to select the channels.

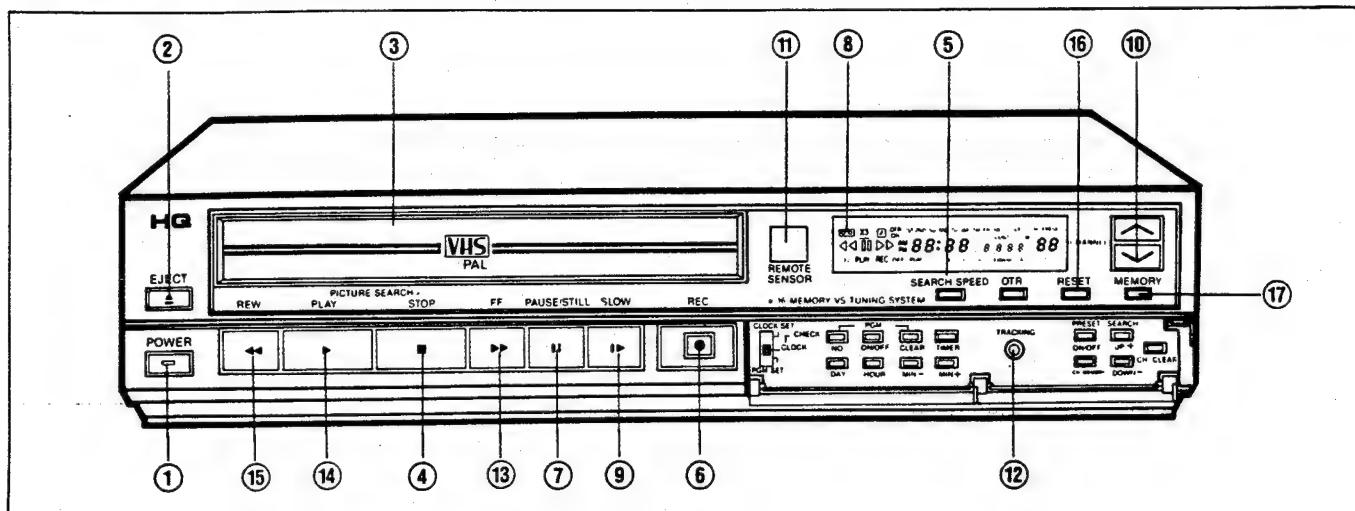
**⑬ CH. Memory Button**

Push to fix the channel memory after selecting the channels.

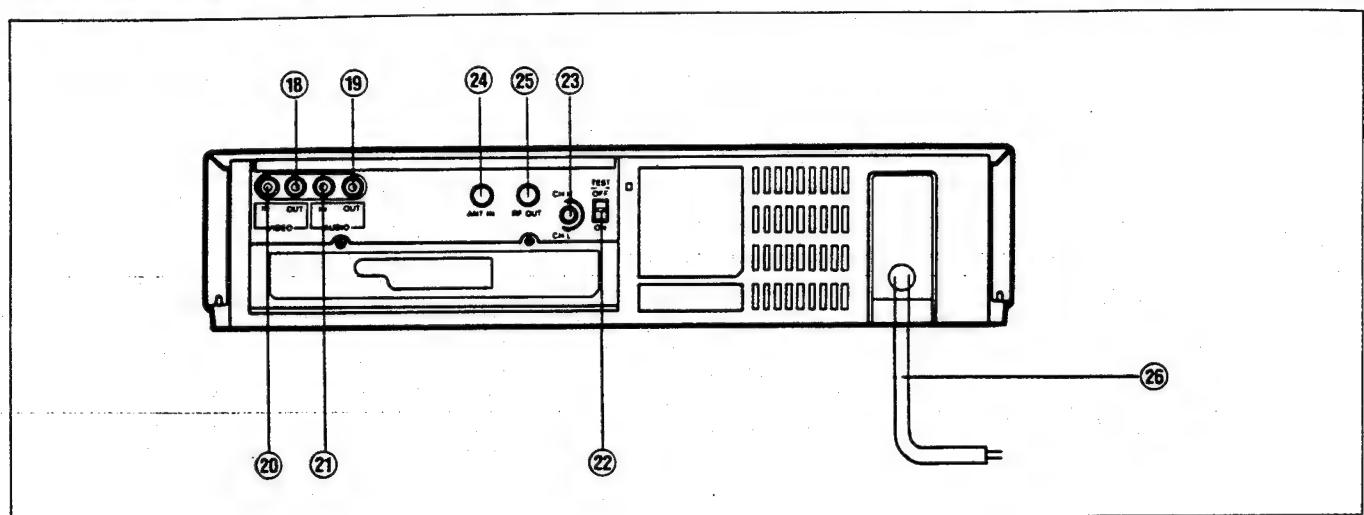
**⑭ CH. Clear**

Press to clear the channel memory.

# IDENTIFICATION AND OPERATION OF CONTROLS (I)



- ① POWER Switch/Power Lamp**  
Turns VCR power on and off.
- ② EJECT Button**  
Press remove the cassette from the cassette compartment.
- ③ Cassette Compartment**  
When the cassette is inserted in this compartment, the cassette will automatically be ready for operation. The cassette indicator lamp (8) will light up.
- ④ STOP Button**  
Push to stop. All operating modes are cancelled.
- ⑤ SEARCH SPEED SWITCH**  
In the picture search mode, You can select search speed. (3 times or 6 times)  
**Note :** X3 lamp will light up when the search speed switch is in the 3 times normal speed mode.
- ⑥ RECORD Button**  
Push this button to record. If the safety tab has been removed from the cassette, it will not be possible to record, thereby preventing your recordings from accidentally erased.
- ⑦ PAUSE/STILL Button**  
In the recording mode, you can stop the operation of the recorder temporarily. In the playback mode, a picture will appear in the STILL mode. The STILL mode is released automatically after 5 minutes, and will return to the play mode.
- ⑧ Cassette Indicator Lamp**  
When the cassette is correctly inserted in the recorder, this cassette indicator lamp will light up.
- ⑨ SLOW Button**  
Push this button to slow the picture. When this button is pushed during playback, the picture will move slowly.
- ⑩ Channel Selector Buttons**  
Press to select the channels you wish to view or record.
- ⑪ REMOTE Sensor**  
Receives signals from the Remote Controller.
- ⑫ TRACKING Knob**  
Used when playing cassettes recorded on other machines using the VHS-system. Adjust this control to minimize black streaks across the TV picture during playback. Set the control in its center position when recording and during subsequent playback of cassettes on this VCR.
- ⑬ FF Button**  
The FF Button serves a dual purpose. Push to fast forward the tape. When this button is pushed during the playback mode, the picture will move quickly forward and you can search for the desired part of the program. When released, the recorder will return to the PLAY mode.
- ⑭ PLAY Button**  
Push to playback the recorded tape.
- ⑮ REW Button**  
The REW Button serves a dual purpose. Push to rewind the tape. When this button is pushed during the playback mode, the picture will move quickly backward and you can search for the desired part of the program. When released, the recorder will return to the PLAY mode.
- ⑯ RESET Button**  
Press to set the tape counter at the "0000" position.
- ⑰ MEMORY Button**  
Press to memory "0000" of the counter. When the memory is set, "M" will light up at the head of the counter number, and your VCR will stop at "0000" during FF or REW operation.



**(18) VIDEO OUT Terminal**

Provides a video signal from the recorder to be used by other equipment.

**(19) AUDIO OUT Terminal**

Provides an audio signal from the recorder to be used by other equipment.

**(20) VIDEO IN Terminal**

Receives a video signal from other video equipment. Connecting a plug into this jack cuts off the picture from the tuner and records the video signal connected into the "VIDEO IN" Jack.

Disconnecting the plug will automatically resume the picture from the tuner.

**(21) AUDIO IN Terminal**

Receives an audio signal from other equipment. Connecting a plug into this jack will cut off the audio signal coming from the tuner and records the audio signal connected to this "AUDIO IN" Jack. Disconnecting the plug will resume the audio signal from the tuner.

**(22) TEST SIGNAL SWITCH**

**(23) RF Output Channel Adjustment Screw**

**(24) ANT IN Terminal**

Connect a TV aerial to this terminal.

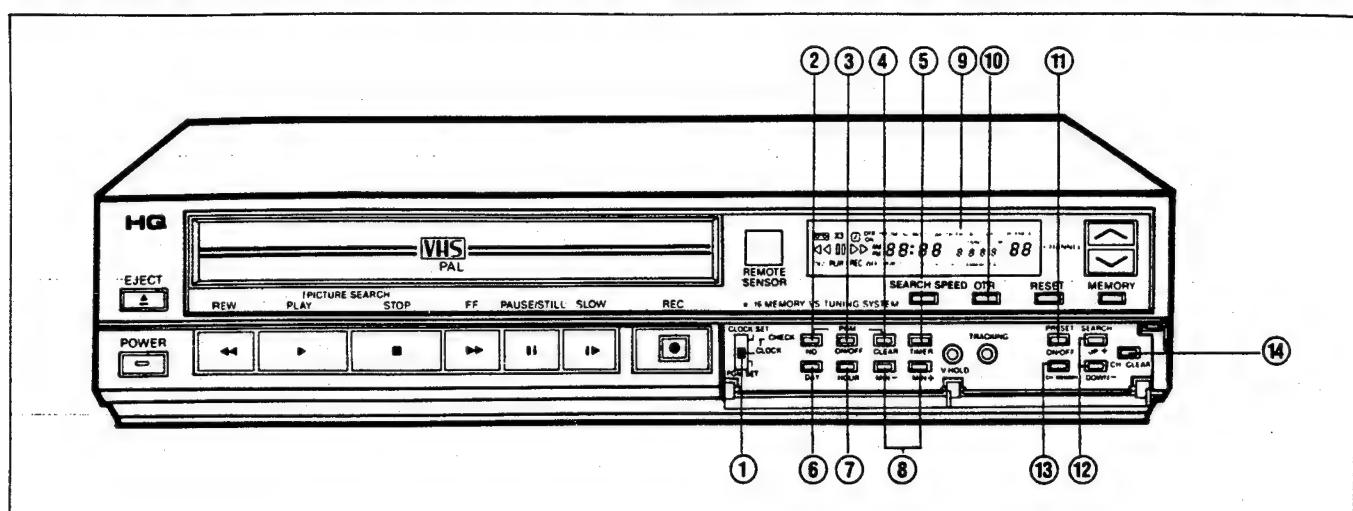
**(25) RF OUT Terminal**

Connect to the aerial terminal of a TV receiver with the RF cable (provided).

**(26) POWER CORD**

Connect this cord into the AC outlet (AC 220V).

# IDENTIFICATION AND OPERATION OF CONTROLS (II): TIMER, CH PRESET PART



## ① Mode selector switch

- CLOCK SET : Put to set the present time.
- CLOCK : Current time is displayed.
- PGM SET : Put to program to timer.

## ② PGM NO Button

Press to select the desired number of programs (1-8) during timer Recording.

## ③ PGM ON/OFF Button

This button is used before setting start/stop time for each program.

## ④ PGM CLEAR Button

Press to cancel the program input.

## ⑤ Timer Button

This button is used for unattended recording after programming functions have been completed. When this button is pressed, "T" will appear on the Multi-Function Display.

## ⑥ Day Button

Press to set the day of week.

## ⑦ Hour Button

Press to set the hour.

## ⑧ Min +/- Button

- Used to set the minute digits.
- When the button is pressed, the digit will advance rapidly.

## ⑨ Multi-Function Display

## ⑩ OTR Button

Press to input the recording time. Each touch to the button will increase the recording time by 30 minutes for up to 4 hours.

## ⑪ Preset ON/OFF Button

This button is used before tuning the channels.

## ⑫ Search +/- Button

Press to select the channels.

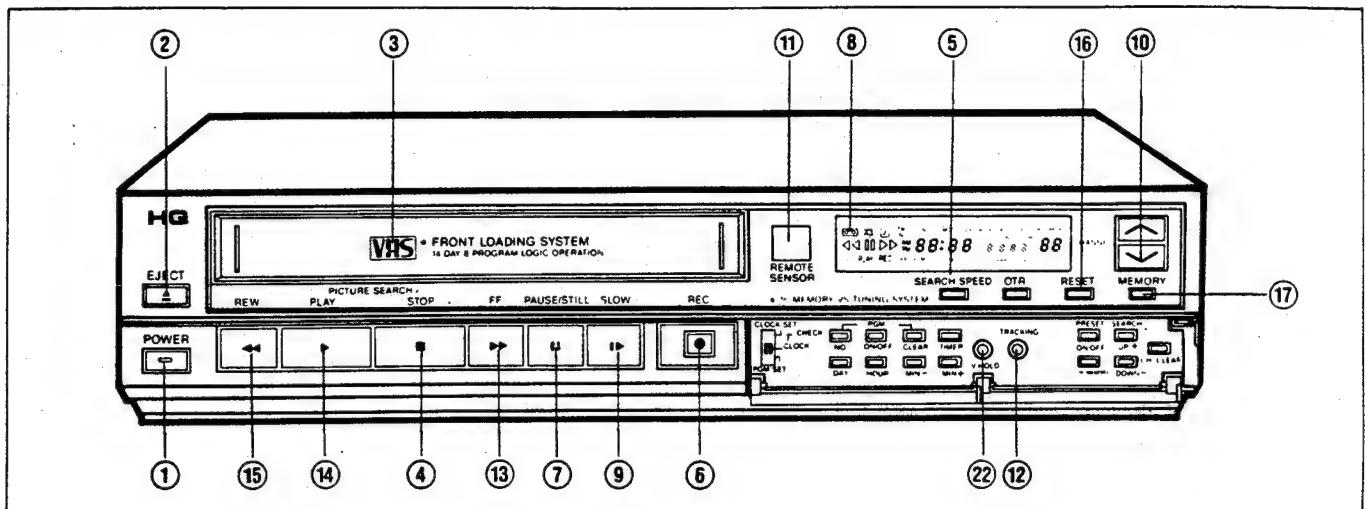
## ⑬ CH. Memory Button

Push to fix the channel memory after selecting the channels.

## ⑭ CH. Clear

Press to clear the channel memory.

## IDENTIFICATION AND OPERATION OF CONTROLS (I)



**(1) POWER Switch/Power Lamp**  
Turns VCR power on and off.

**(2) EJECT Button**  
Press remove the cassette from the cassette compartment.

**(3) Cassette Compartment**  
When the cassette is inserted in this compartment, the cassette will automatically be ready for operation. The cassette indicator lamp (8) will light up.

**(4) STOP Button**  
Push to stop. All operating modes are cancelled.

**(5) SEARCH SPEED SWITCH**  
In the picture search mode, You can select search speed. (3 times or 6 times)

**Note :** X6 lamp will light up when the search speed switch is in the 6 times normal speed mode.

**(6) RECORD Button**  
Push this button to record. If the safety tab has been removed from the cassette, it will not be possible to record, thereby preventing your recordings from accidentally erased.

**(7) PAUSE/STILL Button**  
In the recording mode, you can stop the operation of the recorder temporarily. In the playback mode, a picture will appear in the STILL mode. The STILL mode is released automatically after 5 minutes, and will return to the play mode.

**(8) Cassette Indicator Lamp**  
When the cassette is correctly inserted in the recorder, this cassette indicator lamp will light up.

**(9) SLOW Button**  
Push this button to slow the picture. When this button is pushed during playback, the picture will move slowly.

**(10) Channel Selector Buttons**  
Press to select the channels you wish to view or record.

**(11) REMOTE Sensor**  
Receives signals from the Remote Controller.

**(12) TRACKING Knob**  
Used when playing cassettes recorded on other machines using the VHS-system. Adjust this control to minimize black streaks across the TV picture during playback. Set the control in its center position when recording and during subsequent playback of cassettes on this VCR.

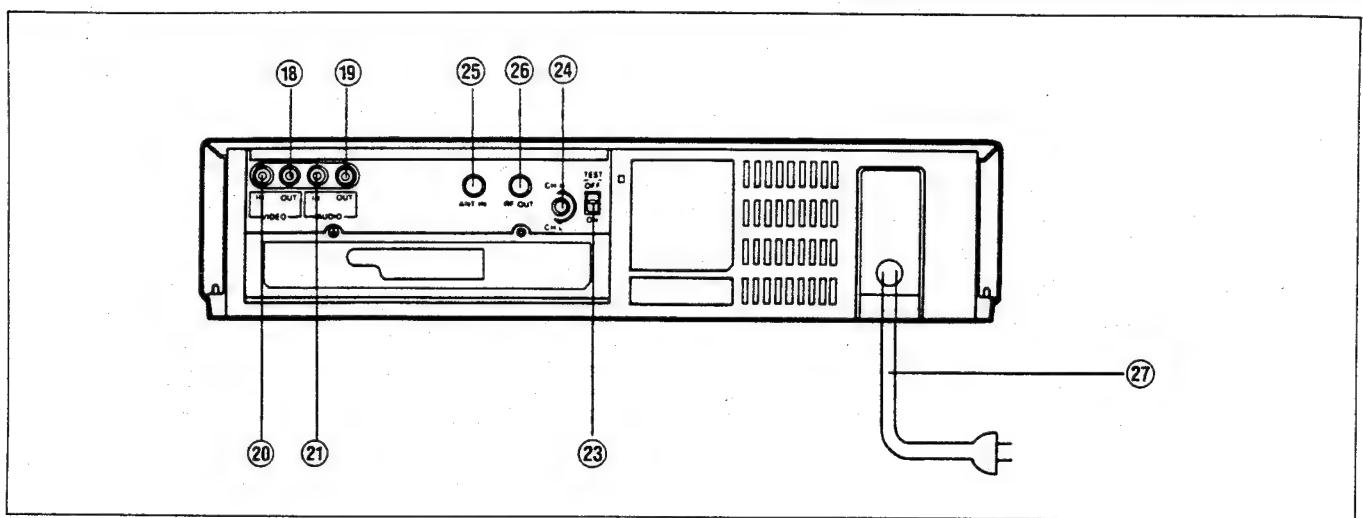
**(13) FF Button**  
The FF Button serves a dual purpose. Push to fast forward the tape. When this button is pushed during the playback mode, the picture will move quickly forward and you can search for the desired part of the program. When released, the recorder will return to the PLAY mode.

**(14) PLAY Button**  
Push to playback the recorded tape.

**(15) REW Button**  
The REW Button serves a dual purpose. Push to rewind the tape. When this button is pushed during the playback mode, the picture will move quickly backward and you can search for the desired part of the program. When released, the recorder will return to the PLAY mode.

**(16) RESET Button**  
Press to set the tape counter at the "0000" position.

**(17) MEMORY Button**  
Press to memory "0000" of the counter. When the memory is set, "M" will light up at the head of the counter number, and your VCR will stop at "0000" during FF or REW operation.



**(18) VIDEO OUT Terminal**

Provides a video signal from the recorder to be used by other equipment.

**(19) AUDIO OUT Terminal**

Provides an audio signal from the recorder to be used by other equipment.

**(20) VIDEO IN Terminal**

Receives a video signal from other video equipment. Connecting a plug into this jack cuts off the picture from the tuner and records the video signal connected into the "VIDEO IN" Jack.

Disconnecting the plug will automatically resume the picture from the tuner.

**(21) AUDIO IN Terminal**

Receives an audio signal from other equipment. Connecting a plug into this jack will cut off the audio signal coming from the tuner and records the audio signal connected to this "AUDIO IN" Jack. Disconnecting the plug will resume the audio signal from the tuner.

**(22) VERTICAL HOLD KNOB**

Adjust this knob to minimize the noise while pressing the STILL/SLOW button simultaneously.

**(23) TEST SIGNAL SWITCH**

**(24) RF Output Channel Adjustment Screw**

**(25) ANT IN Terminal**

Connect a TV aerial to this terminal.

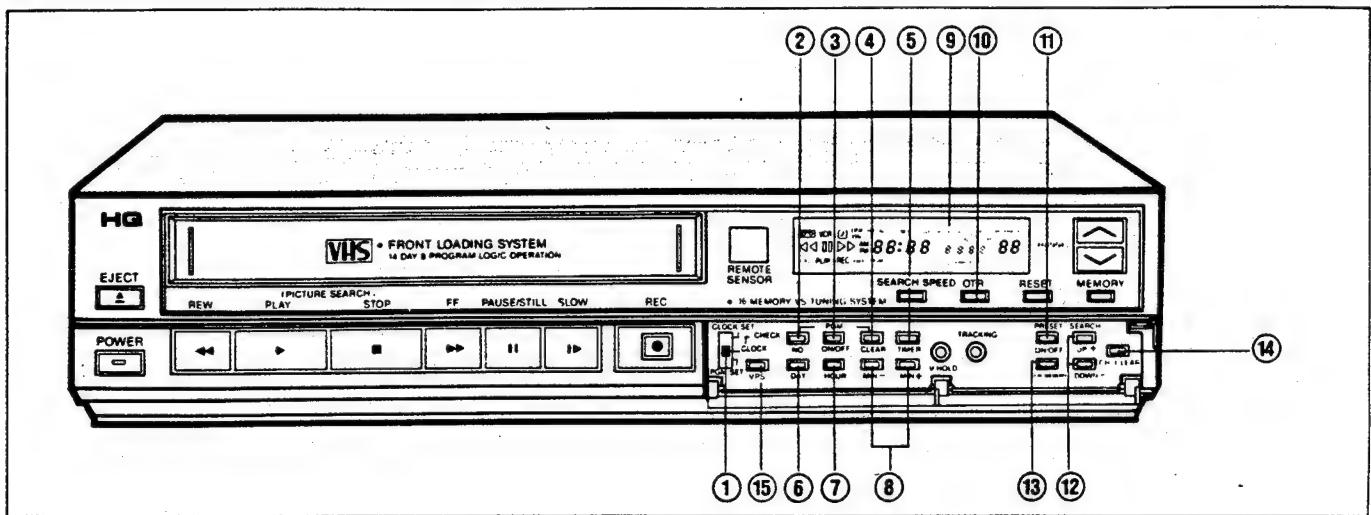
**(26) RF OUT Terminal**

Connect to the aerial terminal of a TV receiver with the RF cable (provided).

**(27) POWER CORD**

Connect this cord into the AC outlet (AC 220V).

# IDENTIFICATION AND OPERATION OF CONTROLS (II): TIMER, CH PRESET PART



## ① Mode selector switch

- CLOCK SET : Put to set the present time.
- CLOCK : Current time is displayed.
- PGM SET : Put to program to timer.

## ② PGM NO and YEAR Button

Press to select the desired number of programs (1-8) during timer Recording and to set the YEAR when the time is set.

## ③ PGM ON/OFF and MONTH Button

This button is used before setting start/stop time for each program and is used setting MONTH when the time is set.

## ④ PGM CLEAR Button

Press to cancel the program input.

## ⑤ Timer Button

This button is used for unattended recording after programming functions have been completed. When this button is pressed, "T" will appear on the Multi-Function Display.

## ⑥ Day Button

Press to set the day of week.

## ⑦ Hour Button

Press to set the hour.

## ⑧ Min +/- Button

- Used to set the minute digits.
- When the button is pressed, the digit will advance rapidly.

## ⑨ Multi-Function Display

## ⑩ OTR Button

Press to input the recording time. Each touch to the button will increase the recording time by 30 minutes for up to 4 hours.

## ⑪ Preset ON/OFF Button

This button is used before tuning the channels.

## ⑫ Search +/- Button

Press to select the channels.

## ⑬ CH. Memory Button

Push to fix the channel memory after selecting the channels.

## ⑭ CH. Clear

Press to clear the channel memory.

## ⑮ VPS Button

Each touch to the button will change VPS on or off and daily, weekly in the timer setting.

## SECTION 2. ELECTRICAL ADJUSTMENTS

### 2-1. ALIGNMENT AND ELECTRICAL ADJUSTMENT

For these adjustments, use the equipment mentioned below and proceed by using the alignment tape and video signal.

The suitable output waveform of the color-bar signal generator is shown below.

#### Instruments and Tools Required

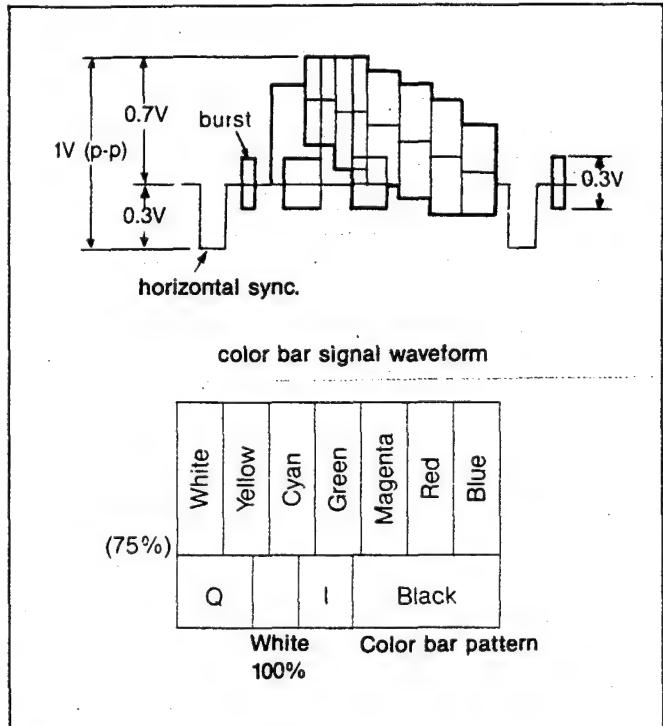
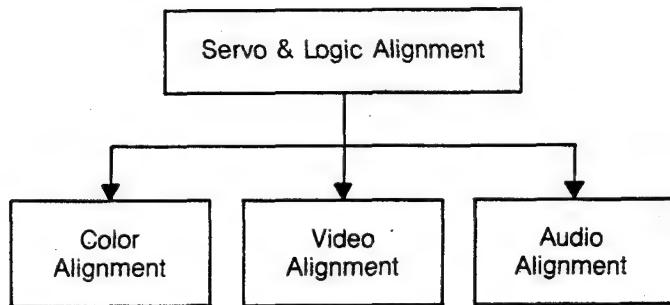
1. Color TV receiver
2. Oscilloscope having 10 MHz or more bandwidth
3. Color-bar generator
4. Frequency counter
5. VTVM
6. VOM (20 kΩ/V)
7. Audio oscillator
8. Audio attenuator

#### Signal Level and Input and Output Impedance Requirement

1. Video input : Negative sync, 1Vp-p standard composite video signal, 75Ω.
2. Video output: Same as above.
3. Audio input : Line -10dB 50kΩ.
4. Audio output: -5dB, 10kΩ or less

#### Adjustments Sequence

The VCR should be adjusted in the sequence shown below.

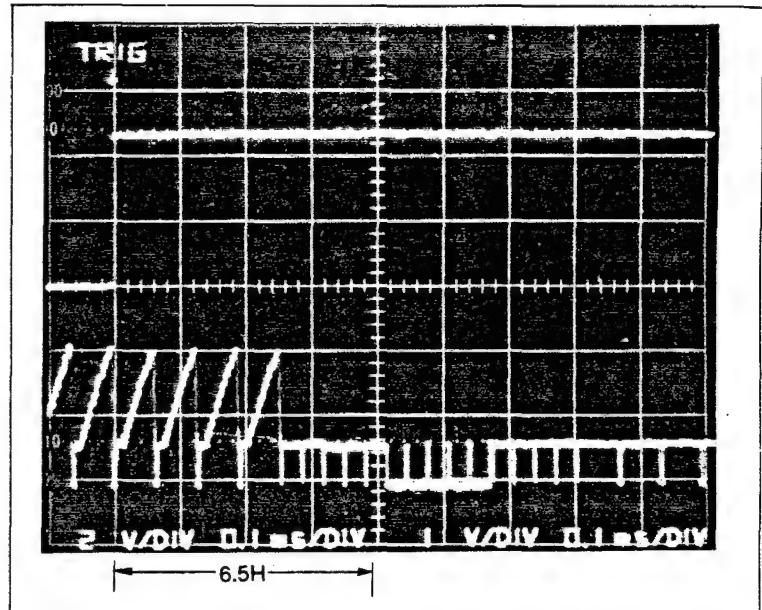


## 2-2. SERVO-LOGIC CIRCUIT ADJUSTMENT METHOD

### 1. VIDEO HEAD SWITCHING POSITION

Adj. Location	Checking Point	Measuring Equipment	Mode	Test Tape
R594	TP304	Oscilloscope	Play	DP-2
R595	W503 ③			(Stair Step)

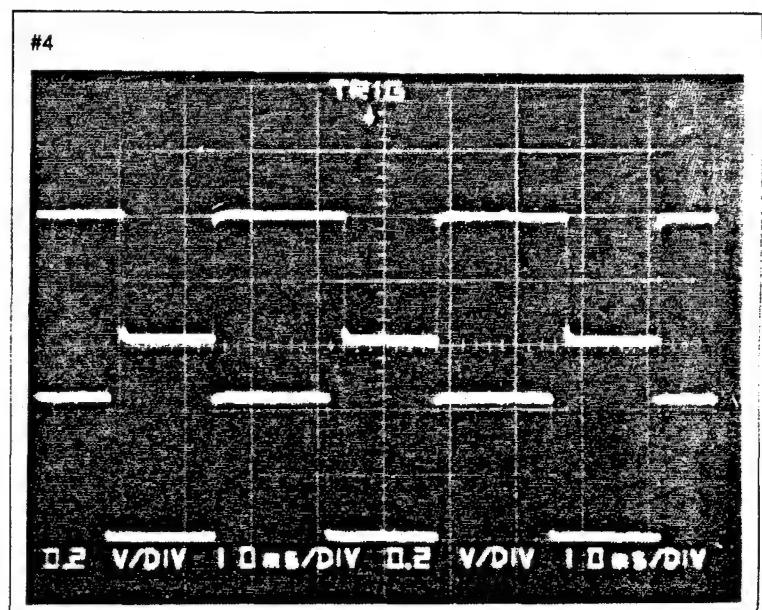
- 1) Play back the test tape.
- 2) Set the oscilloscope in the chop mode connect the CH1 to SW pulse (W503 ③), the CH2 to TP304 (video out) with CH1 triggering.
- 3) Adjust R594 for the positive trigger until  $6.5H \pm 0.5H$  cycles before the vertical SYNC pulse.
- 4) Also, adjust R595 for the negative trigger until  $6.5H \pm 0.5H$  cycles before the vertical SYNC pulse.



### 2. SUB-TRACKING ADJUSTMENT

Adj. Location	Checking Point	Measuring Equipment	Mode	Test Tape
R591	W503 ③ W503 ④	Oscilloscope	Play	DP-2 (Stair Step)

- 1) Set the tracking volume to the mechanical center where it clicks, play the test tape.
- 2) Set the oscilloscope in the chop mode connect the CH2 to the SW pulse (W503 ③), the CH1 to the CTL pulse (W503 ④) with CH1 triggering.
- 3) Adjust R591 until the phase difference between the rising EDGE of SW pulse and the CTL pulse is 1.7m sec as shown below.



### 3. BRAKE ADJUSTMENT (VCR-52DAD, VCR-52VAD only)

Adj. Location	Checking Point	Measuring Equipment	Mode	Test Tape
R596	W502 ①			DP-1
R597	W502 ②	Oscilloscope	Slow	(Color Bar)

- 1) Connect the EXT. TRIGGER of the oscilloscope to W502 ①.
- 2) Connect CH1 to W502 ② and CH2 to W502 ①.
- 3) Set the VCR to the slow mode.
- 4) Set the tracking volume to mechanical center.
- 5) Adjust R596 as shown in Fig. 2-2-2.
- 6) Connect the VCR to the TV monitor.
- 7) At the slow mode, adjust R597 to minimize noise bar of the upper part or the lower part on screen.

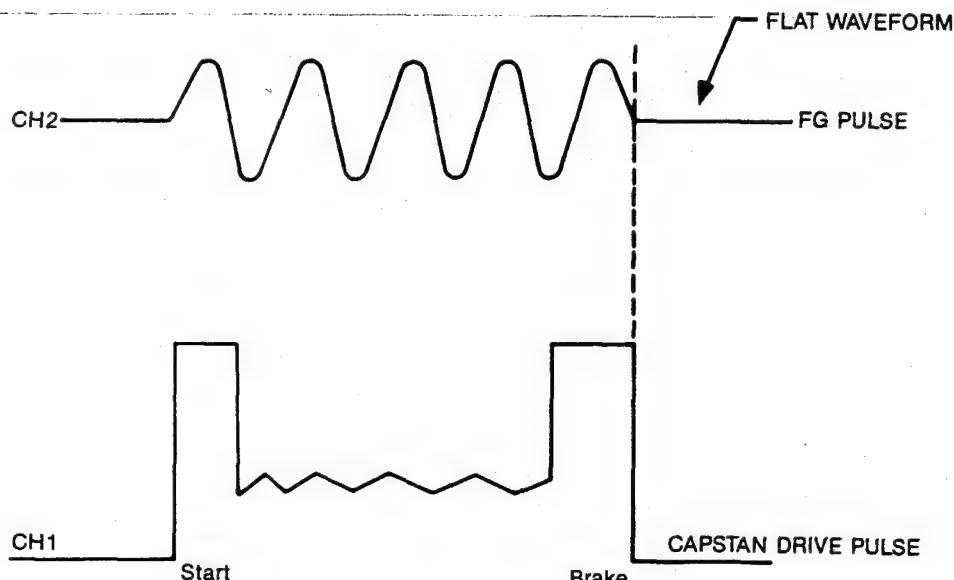


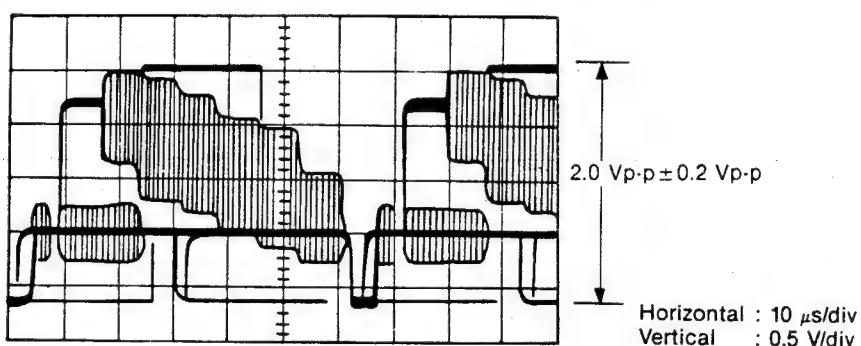
Fig. 2-2-2.

## VIDEO CIRCUIT ADJUSTMENT METHOD

### 1. E E VIDEO LEVEL

Adj. Location	Checking Point	Measuring Equipment	Mode	Test Tape
R395	TP304	Oscilloscope	EE	—

1) Feed the color bar signal to the line input terminal. And set for the stop (EE) mode.  
 2) Connect the oscilloscope to TP304 and trigger the scope with a composite SYNC signal at TP308 (COMP. SYNC)  
 3) Adjust the oscilloscope so that it can display a waveform of approx. 2H.  
 4) Adjust R395 to obtain  $V_{p-p} \pm 0.2$  V<sub>p-p</sub> between SYNC TIP and 100% white level.



### 2. 4.43 MHz X-TAL FREQUENCY

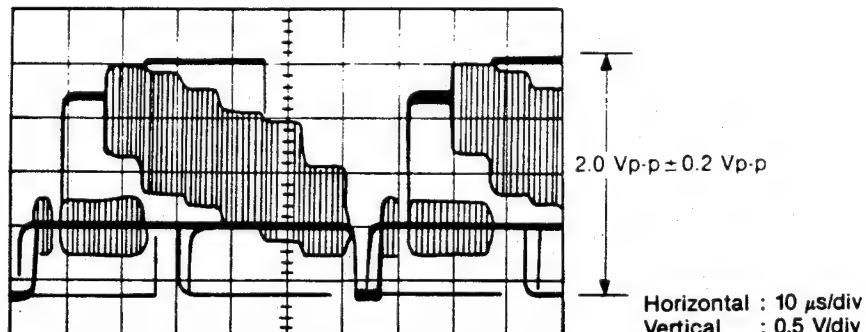
Adj. Location	Checking Point	Measuring Equipment	Mode	Test Tape
R596	TP309	Freq. Counter	PB	DP-1 (Color Bar)

- 1) Playback the test tape (DP-1: Color bar signal).  
 2) Connect a frequency counter to TP309 and set the measurement range to a position which gives reading accuracy of 1Hz.  
 3) Adjust R596 until the frequency reading of  $4433619 \pm 20$ Hz is obtained.

### 3. PLAYBACK Y-SIGNAL OUTPUT LEVEL

Adj. Location	Checking Point	Measuring Equipment	Mode	Test Tape
R396	TP304	Oscilloscope	PB	DP-1 (Color Bar)

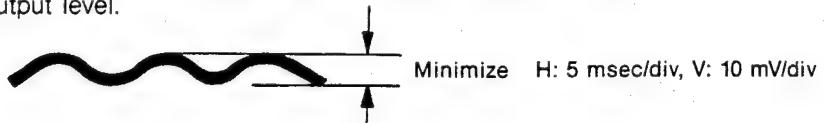
- 1) Playback the test tape (DP-1: Color bar signal).  
 2) Connect the oscilloscope to TP304 and trigger the scope with a composite SYNC signal at TP308  
     Adjust the scope so that it can display a waveform of approx. 2H.  
 3) Adjust R396 to obtain  $2.0$  V<sub>p-p</sub> ± 0.2 V<sub>p-p</sub> between the SYNC TIP and 100% white level.



#### 4. Y-COME

Adj. Location	Checking Point	Measuring Equipment	Mode	Test Tape
R397	TP307	Oscilloscope	PB	DP-1 (Color Bar)

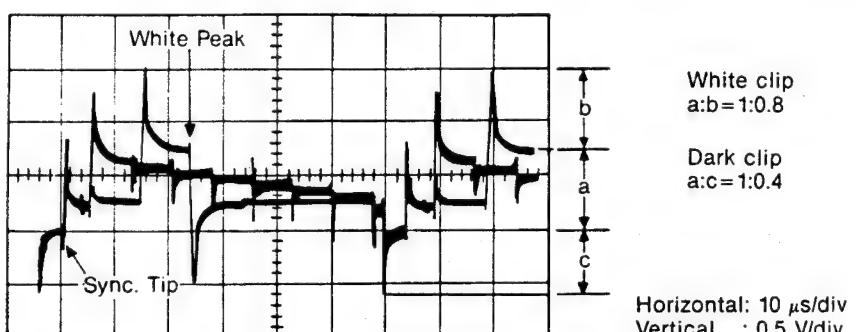
- 1) Playback the test tape. (DP-1: Color bar signal)
- 2) Connect the oscilloscope to TP307 and trigger the scope with a SW PULSE at TP303.
- 3) Adjust R397 to minimize the output level.



#### 5. WHITE AND DARK CLIP

Adj. Location	Checking Point	Measuring Equipment	Mode	Test Tape
R394 (W/C) R393 (D/C)	TP305	Oscilloscope	REC (EE)	—

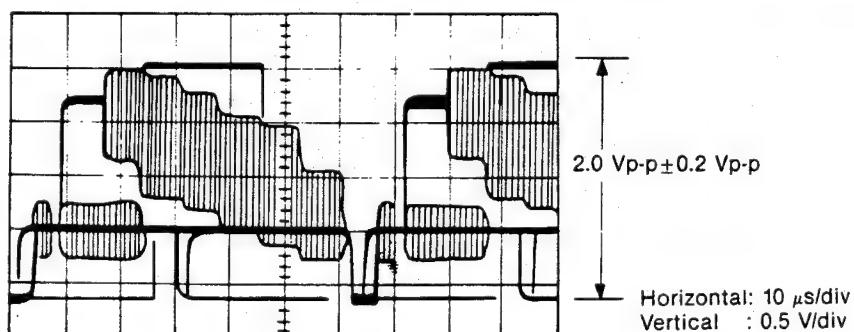
- 1) Feed the color bar signal to the line terminal. And set for the stop (EE) mode.
- 2) Connect the oscilloscope to TP305 and trigger the scope with a composite SYNC singal at TP308.
- 3) At TP305 (W/D) clip out), with the rated signal level (from SYNC TIP to white peak) taken as 100%, adjust R394 (white clip) so that amplitude of overshoot appearing on the video signal side shows  $80 \pm 5\%$  of a Y-signal amplitude of 100%.
- 4) In the same condition, adjust R393 (dark clip) so that an undershoot appearing on the SYNC TIP side shows  $40 \pm 5\%$  of a Y-signal amplitude of 100%.



#### 6. FM DEVIATION

Adj. Location	Checking Point	Measuring Equipment	Mode	Test Tape
R392	TP304	Oscilloscope	PB. & REC	DP-1 Blank Tape

- 1) Confirm that the adjustment for the playback Y-signal output level has been made correctly.
- 2) Feed the color bar signal to the line terminal, and set the VTR to the record mode.
- 3) Connect the oscilloscope to TP304 and trigger the scope with a composite SYNC signal at TP308.
- 4) Record the color bar signal for a few minute and playback it. Then confirm that the playback Y-signal output level is  $2.0 \text{ Vp-p} \pm 0.2 \text{ Vp-p}$ .
- 5) If the playback Y signal output level is not  $2.0 \text{ Vp-p} \pm 0.2 \text{ Vp-p}$ , then adjust as follows.
  - 5-1) Set the VTR in the record mode.
  - 5-2) Turn the variable R392 a little.
  - 5-3) Record the color bar signal for a few minute and playback it.
  - 5-4) Confirm the playback Y signal output is  $2.0 \text{ Vp-p} \pm 0.2 \text{ Vp-p}$ .
  - 5-5) Repeat from step 5-1) until the playback Y-signal output level becomes  $2.0 \text{ Vp-p} \pm 0.2 \text{ Vp-p}$  between the sync. TIP and 100% white level.



## 7. SYNC TIP FREQUENCY

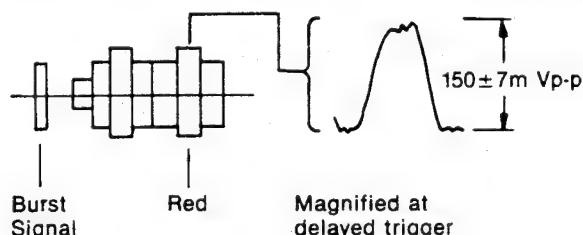
Adj. Location	Checking Point	Measuring Equipment	Mode	Test Tape
R391	TP301	Freq. Counter	REC.	—

- 1) Set the unit to stop mode with no video signal as input.
- 2) Connect the frequency counter to TP301.
- 3) Adjust R391 until the sync. TIP frequency becomes  $3.9 \text{ MHz} \pm 0.05 \text{ MHz}$ .

## 8. COLOR RECORD CURRENT

Adj. Location	Checking Point	Measuring Equipment	Mode	Test Tape
RS95	TP310	Oscilloscope	REC.	Blank Tape

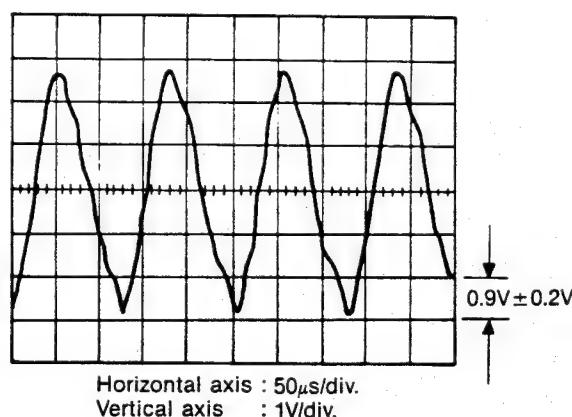
- 1) Feed the color bar signal to the line input terminal, and set the VTR to the record mode.
- 2) Connect the probe to TP310 and trigger the scope with a composite SYNC signal at TP308.
- 3) Adjust RS95 so that color record current level becomes  $150\text{m Vp-p} \pm 7\text{m Vp-p}$ .



## 9. SECAM SIGNAL DETECT LEVEL (VCR-52/32DAD, VCR-52VAD)

Adj. Location	Checking Point	Measuring Equipment	Mode	Test Tape
LS02	TPS01	Oscilloscope	REC.	Blank Tape

- 1) Feed the SECAM colour bar signal to the line input terminal.
- 2) Connect the oscilloscope to TPS01 and trigger the scope with a composite sync signal at TP308.
- 3) Set the VCR to the REC mode.
- 4) Adjust LS02 so that SECAM signal detect waveform becomes  $0.9V \pm 0.2V$ .



### 3. AUDIO CIRCUIT ADJUSTMENT METHOD

#### 1. PLAYBACK OUTPUT LEVEL

Adj. Location	Measuring Point	Measuring Equipment	Condition of Adj.	Test Tape
R221	Audio Line Out	Audio Level Meter	Play Mode	DP-1

- 1) Connect the audio level meter to the audio line output jack.
- 2) Play back the test tape.
- 3) Adjust R221 until the audio level meter reads  $-5.0 \text{ dBm}$  play back output.

#### 2. PLAYBACK OUTPUT FREQUENCY CHARACTERISTIC

Adj. Location	Measuring Point	Measuring Equipment	Condition of Adj.	Test Tape
Checking	Audio Line Out	Audio Level Meter	Play Mode	DP-1 DP-2

- 1) Playback the DP-1, DP-2 tape, and confirm that the playback output level at 6 KHz is within  $0 \pm 3\%$  as referenced to the 1 KHz playback output level.

#### 3. BIAS CURRENT ADJUSTMENT AND OSCILLATION FREQUENCY CHECKING

Adj. Location	Measuring Point	Measuring Equipment	Condition of Adj.	Test Tape
R220	TP201, TP202, C223	Frequency Counter VTVM	REC. Mode	Blank Tape

- 1) Connect the frequency counter to C223.
- 2) Connect the positive lead of the VTVM to TP202 and negative lead to TP201.
- 3) Set the VCR in recording mode.
- 4) Confirm the frequency counter display is  $70 \text{ KHz} \pm 10\%$  and adjust R220 until VTVM reads 2.0 mVrms.

#### 4. RECORD PLAYBACK FREQUENCY RESPONSE

Adj. Location	Measuring Point	Measuring Equipment	Condition of Adj.	Test Tape
Checking	Audio Line Out	Audio Level Meter Audio Signal Generator	REC. Play Mode	Blank Tape

- 1) Connect the audio signal generator to the audio line input jack. And the audio level meter to the audio line output jack.
- 2) Record reference audio signal of the 400 Hz and 8 KHz audio signal at  $-25 \text{ dBm}$ .
- 3) Check to insure that the 8 KHz playback output level is within  $-3 \pm 3\text{dB}$  as reference to the 400 Hz playback output level.
- 4) If the difference between 8 KHz playback output level and 400 Hz is more than  $+0 \text{ dB}$  increase the bias current more than 2.0 mVrms, and if the difference is less than  $-6 \text{ dB}$  reduce the bias current less than 2.0 mVrms.

#### 5. RECORD-PLAYBACK OUTPUT LEVEL

Adj. Location	Measuring Point	Measuring Equipment	Condition of Adj.	Test Tape
Checking	Audio Line Out	Audio Level Meter Audio Signal Generator	REC. Play Mode	Blank Tape

- 1) Connect the audio signal generator to the audio line input jack.
- 2) Record and playback the input of the audio reference signal 1 KHz,  $-10 \text{ dBm}$ .
- 3) Confirm that play output level is  $-5 \pm 3 \text{ dBm}$  as referenced to the playback output level.

### 4. PIF. SELECTOR CIRCUIT ADJUSTMENT METHOD

#### 1. AGC DELAY

Adjustment Location	Measuring Point	Measuring Equipment	Condition of Adjustment
R149	TV Screen	—	REC. Mode

If R149 is turned too far clockwise TV monitor will have buzz in the sound.

If R149 is turned too far counter clockwise picture quality may become poor.

- 1) Turn R149 fully clockwise.
- 2) Turn R149 slowly counter clockwise until noise and sound buzz are minimized.

# SECTION 3.

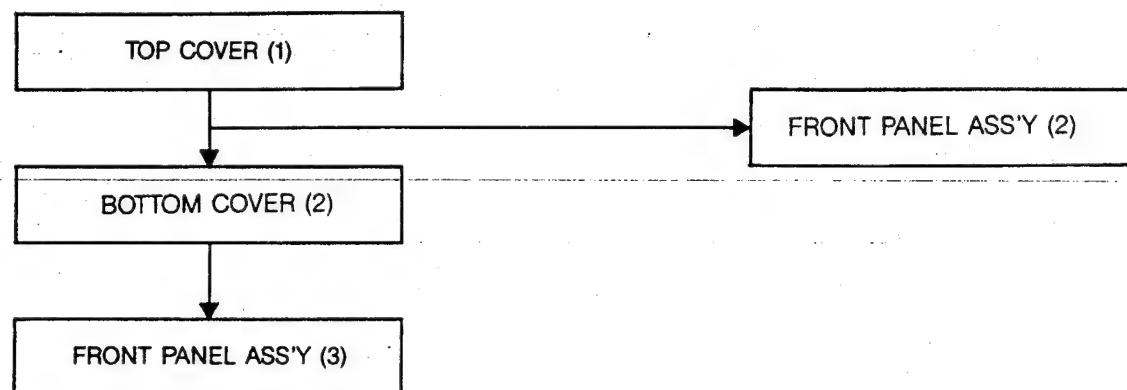
# MECHANICAL ADJUSTMENTS PROCEDURES

## 3-1. DISASSEMBLY OF CABINET PARTS

### 3-1-1. Disassembly Flowchart

This flowchart indicates disassembly step of the cabinet parts and the PC boards in order to find the items necessary for servicing. When reassembling, perform the step in the reverse order.

**Note:** When removing the Front Panel, work with care not to break the locking portion of the panel.



### 3-1-2. Detailed Disassembly Method

#### 1. Removal of Top Cover

Remove the 2 screws (A). Then carefully lift the rear of case remove.

**Note:** Place the cushion under the deck lest the top portion of the deck should be damaged.

#### 2. Removal of Bottom Plate

Place the deck up side down so that the bottom side may face upward.

Then removed the 5 screws (B) to remove the Bottom Cover.

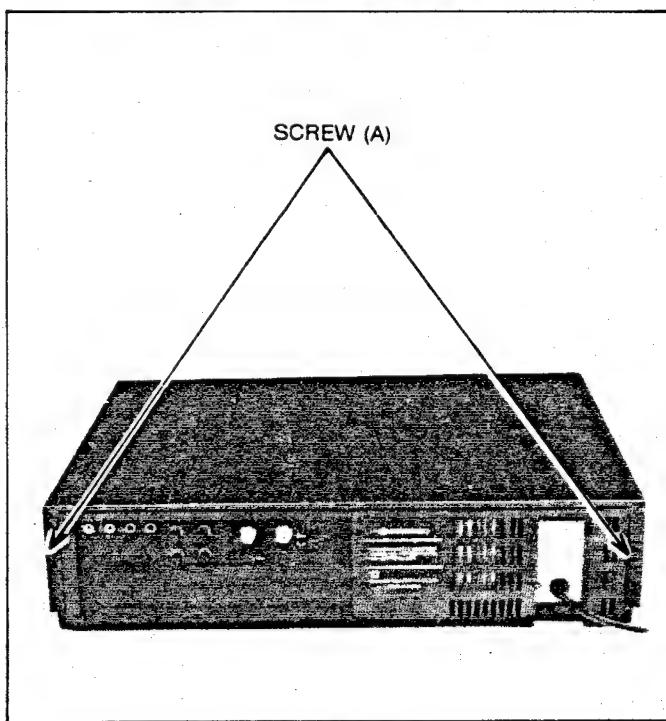


Fig. 2

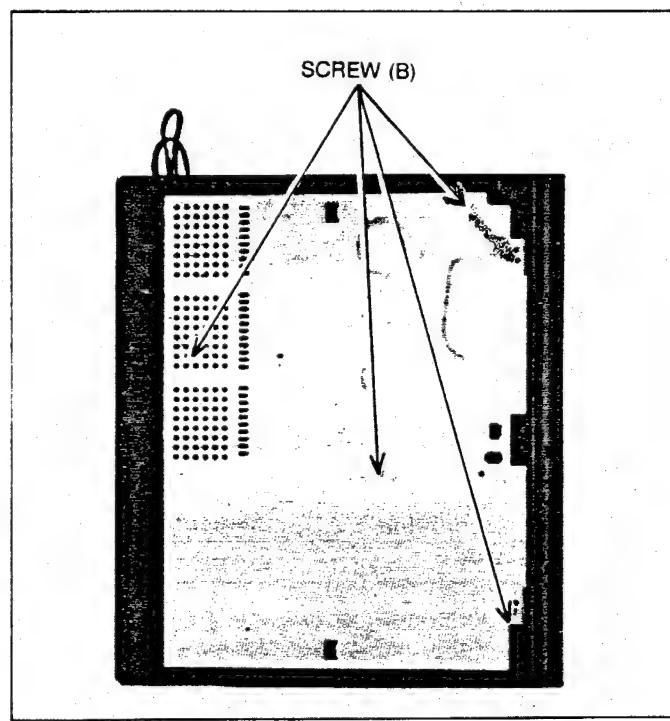


Fig. 3

### 3. Removal of Front Panel

Remove 2 screws (C) and unlock the 6 locking portions. Then hold the top portion of the panel and pull it toward the front of the deck to remove.

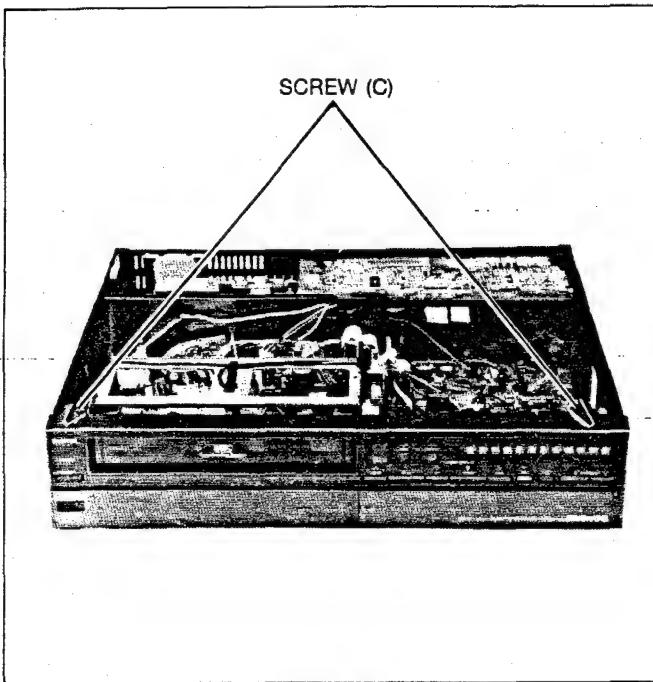


Fig. 4

### 4. Removal of Front Loading Ass'y

Disconnect the connector DK604 from the Front Loading Motor Connection P.C. Board. Remove 2 screws (G) and remove the Front Loading Ass'y. Then carefully pull out the Front Loading Ass'y.

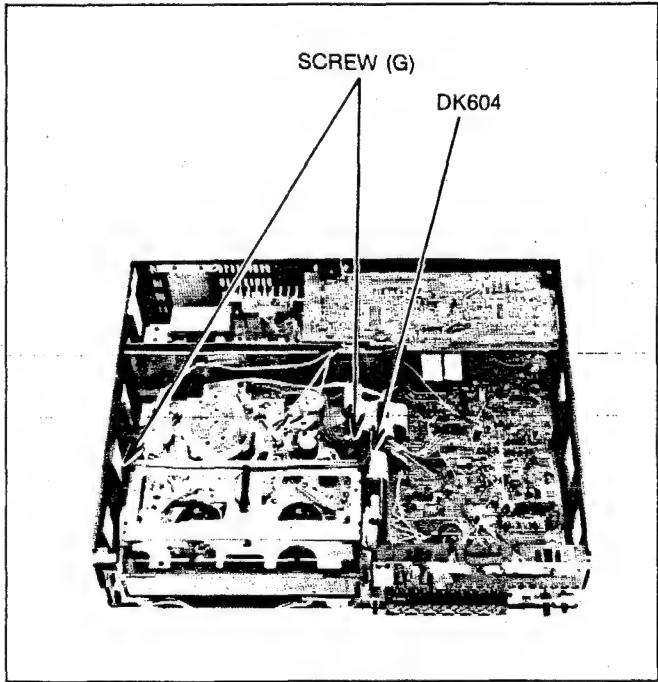


Fig. 6

### 3-1-3. P.C. Board Opening Method

#### 1. Removal of PIF P.C. Board Units

- (1) Remove the Top Cover, Button Cover and Front Panel. (Refer to DISASSEMBLY METHOD Item 1, 2 and 3)
- (2) Remove the 2 screws (E)

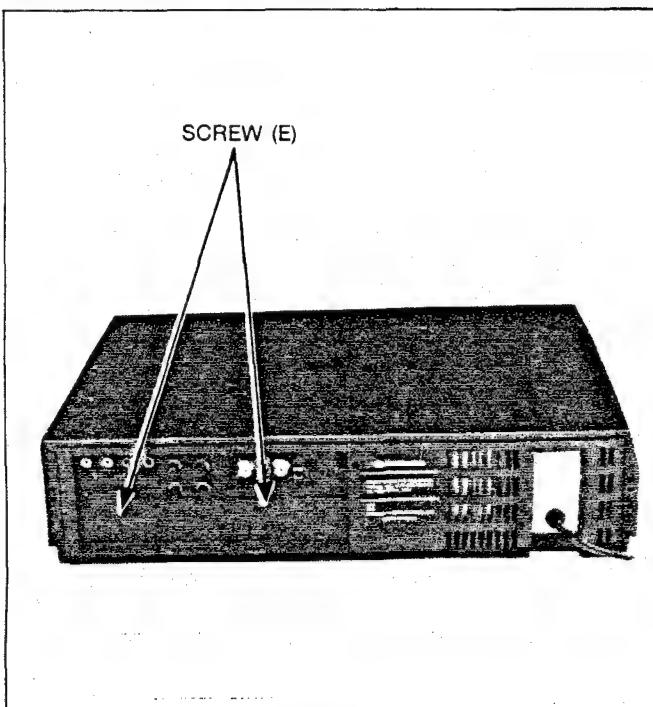


Fig. 5

- (3) Remove 2 screws (F) and unlock the 2 locking portion. Pull it upward to remove.

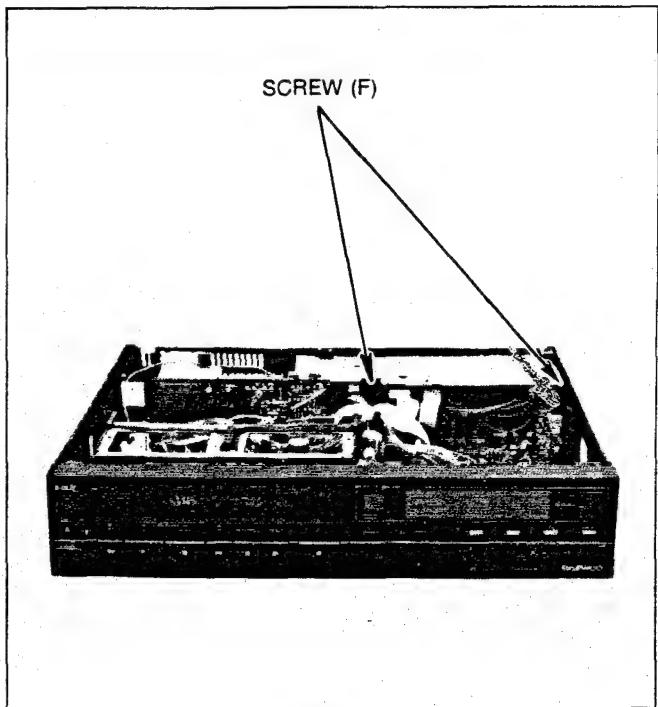


Fig. 7

## 3-2. ADJUSTMENT PROCEDURE

### 3-2-1. Cleaning the Video Heads

To clean the video heads, wipe them with a cleaning bar moistened in isopropyl alcohol. Never leave the video heads revolving during cleaning or they could be damaged. The heads and drum should be cleaned by lightly moving the cleaning bar right and left on the surface.

### 3-2-2. Replacement of Upper Drum AS

Work with extreme care when removing or replacing the upper drum assembly.

Do not touch the video heads during work.

1. Remove the screws and unsolder the rotary trans wires.
2. Lift the upper drum assembly from the shaft assembly.
3. Clean the shaft Assembly and the surface contacted with the upper drum assembly with the cleaning bar moistened in isopropyl alcohol.
4. Install the new one so that the rotary trans wires match the upper PCB before replacing and tighten the 2 screws.
5. Resolder the rotary trans wires to upper PCB.
6. Upon completion of replacement, confirm the performance. If any further performance is required, refer to the Tape Interchangeability Adjustment section and perform the procedures.

### 3-2-3. Replacement of Drum Total Assembly

Work with extreme care when removing or replacing DRUM TOTAL ASSEMBLY. Do not touch the video heads during servicing.

1. Remove the Bottom plate, Top cover.  
Refer to "Disassembly Method".
2. Disconnect 2 connectors (Y0104, Y0105) and remove the DREM TOTAL ASSEMBLY by removing 3 screws (B). Since there is very small clearance between cylinder and main base, remove the cylinder gently and carefully.
3. Reinstall the DRUM TOTAL ASSEMBLY to the Main Base tighten the 3 screws (B) and connect the Y0104 and Y0105.

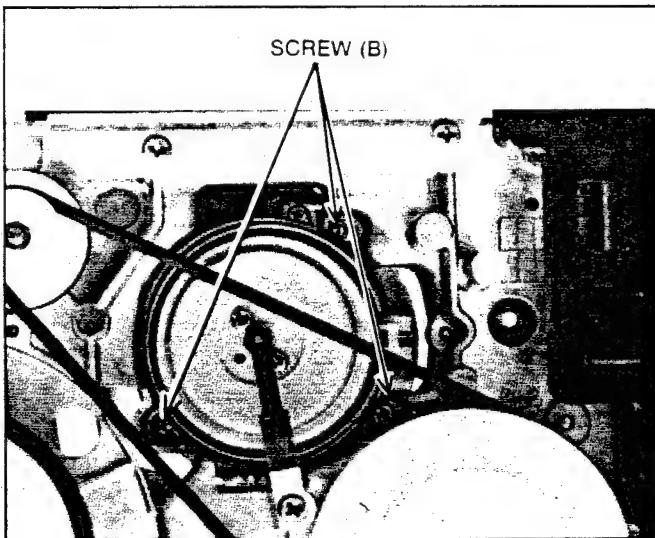


Fig. 8

**Note:** Upon completion of replacement, confirm the performance. And if any further maintenance is required, refer to the "Tape Interchangeability Adjustment" section and perform the necessary items.

### 3-2-4. Confirmation of Pressing Force of Pinch Roller

#### \*Equipment Required:

FAN-Type Tension Gage . . . . . (JP-77-035)

1. Remove the Top cover, Bottom plate, Front Panel and the Front Loading Ass'y having a cassette tape in and with connector unit.
2. Push the Play Button for setting the deck to playback condition.
3. Set Fan-Type Tension Gage to the part (A) of Pinch Lever.
4. Press the Lever with the gage in the direction indicated by the arrow as shown below.

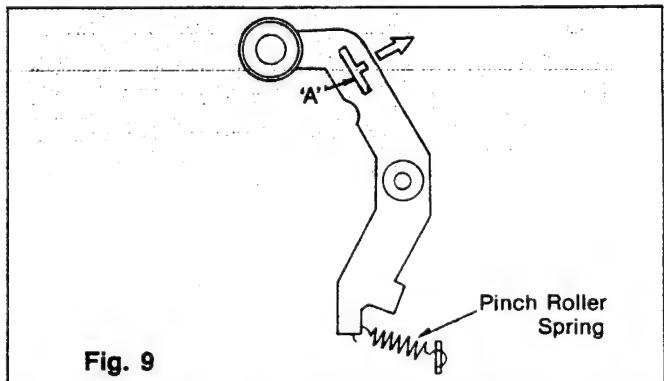


Fig. 9

5. Confirm that the value indicated by the tension gage is  $1,600 \pm 350\text{g}$  at the moment of tape's stopping.
6. If it is out of spec, replace the pinch Roller spring.

### 3-2-5. Position Adjustment of Tension Pole

#### \*Equipment Required:

Tension Pole Adjustment Plate  
Screwdriver . . . . . (JP-77-005)

1. Remove the Top Cover, Front Panel and Front Loading Ass'y.
2. Insert a cassette tape, and push the play button for loading. As soon as loading is completed, take out the AC plug.
3. Place the adjustment plate and slightly loosen the screw securing the band brake bracket.
4. Move the band brake bracket in either of direction so that the tension pole places within Jig Fixture.

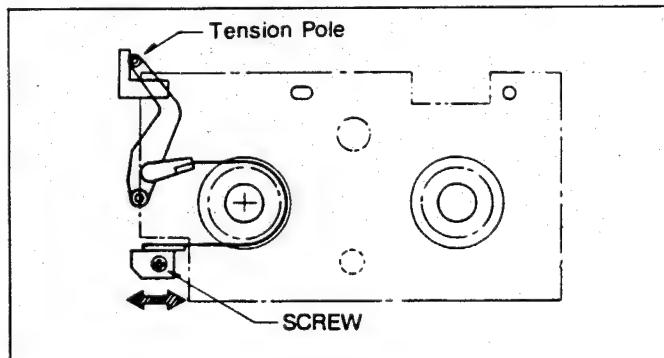


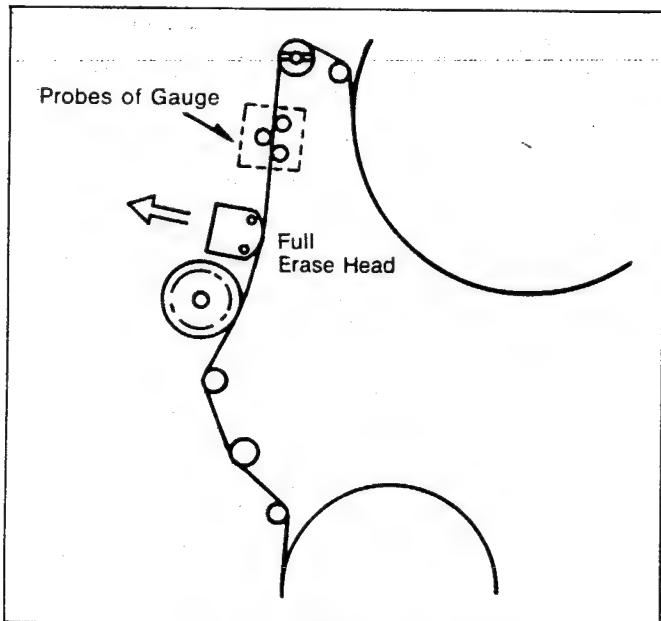
Fig. 10

### 3-2-6. Measurement and Adjustment of Back Tension

#### A. Measurement Procedure

- \* Equipment Required:  
Back Tension Meter (Tentelometer) ..... (T2-H7-UM)  
VHS Cassette Tape (120 minutes tape)
- \* Specification:  
25 ~ 30 g

1. Remove the Top Cover.
2. Pull the Full Erase Head, in the direction indicated by the arrow and hold it by adhesive tape.
3. Play back the cassette tape from its beginning and wait until tape running is stabilized. (for approx. 10 to 20 seconds)
4. Insert tension meter in tape path and confirm the value of tension.



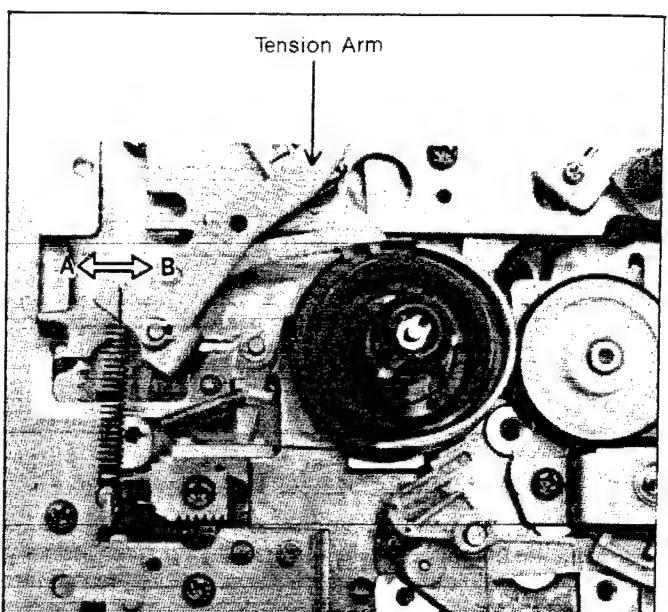
**Fig. 11**  
**Measurement of Back Tension**

- Notes :**
1. Make sure that the three probes of the meter are all in good contact with tape.
  2. It is recommended to measure three times as tension meter is very sensitive.

#### B. Adjustment Procedure

- \* Equipment Required:  
Screw-driver

1. Remove the Top Cover, Bottom Plate, Front Panel, Front Loading Ass'y.
2. Change the location of the tension spring in either of direction indicated by the arrow to obtain the specified tension.  
Move the tension spring to A direction to raise the tension and to B direction to lower it.
3. Install the Front loading Assembly and verify the tension with the Tentelometer once again.

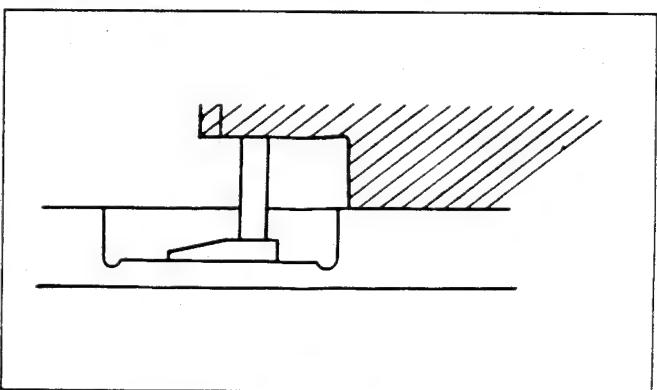


**Fig. 12**

### 3-2-7. Height Adjustment of Reel Tables

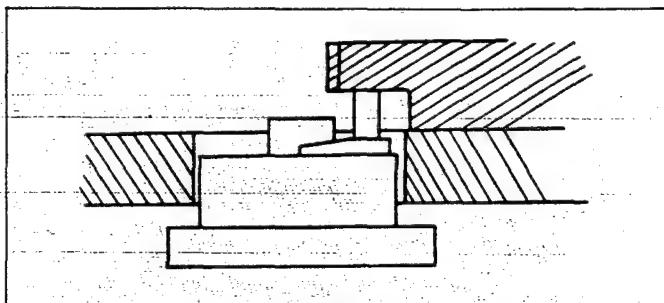
- \* Equipment Required:  
Post Adjustment Plate ..... (JP-77-036)  
Reel Table Height Fixture ..... (JP-77-031)
- \* Specification

  1. Remove the Top Cover, Front Panel and the Front Loading Ass'y.
  2. Place the post adjustment plate, put the dial gauge on it and set the dial gauge to zero "0" under the condition that scraper of gauge touches the cut-out portion of the plate.



**Fig. 13**  
**Adjustment of Reel Table Height-(1)**

3. Then measure the top portion of reel table and confirm the difference from the condition just performed in the former step. Also perform the same measurement and confirmation for the other reel table.



**Fig. 14  
Adjustment of Reel Table Height-(2)**

4. If the difference is more than 0.1mm-(high or lower), adjust the height of reel table to obtain the specified height.  
 5. For the adjustment, change the polyslider located under the reel table. The poly-sliders of following thickness are available.

Thickness	Polyslider	Part No.
0.13 mm		97S3903700
0.25 mm		97S3904000
0.5 mm		97S3903600

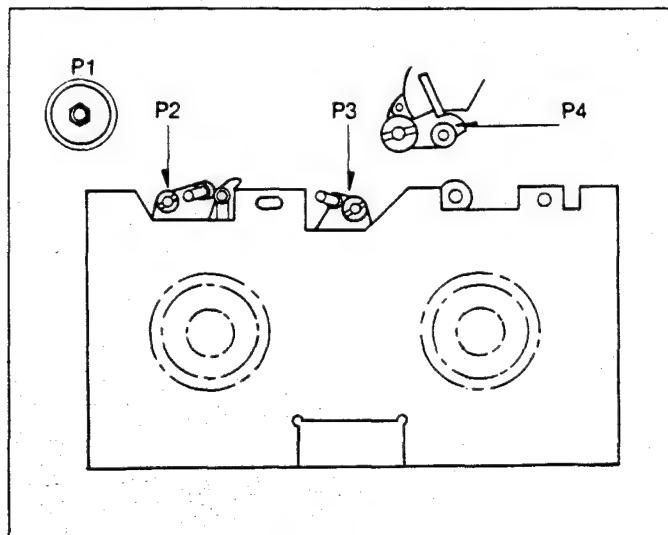
**Fig. 15**

### 3-2-8. Height Adjustment of Tape Guide

#### \* Equipment Required:

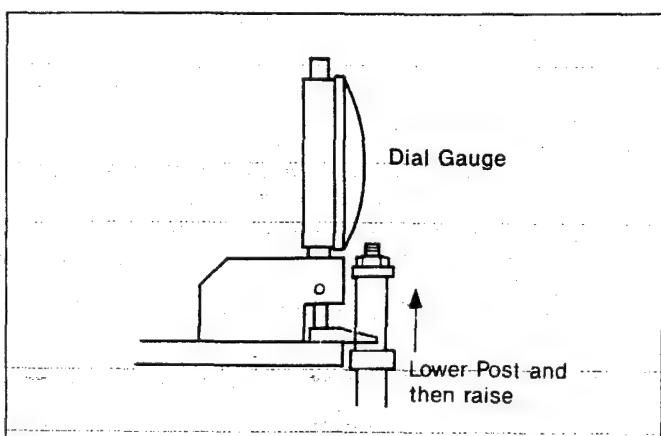
Hex. Wrench, (0.9 mm) ..... (JP-77-034)  
 Post Adjustment Plate ..... (JP-77-036)  
 Reel Table Height  
 Fixture ..... (JP-77-031)  
 Nut Driver ..... (Purchase locally)  
 Post Adjustment Screwdriver

1. Remove the Front Loading Ass'y and place the adjustment plate.



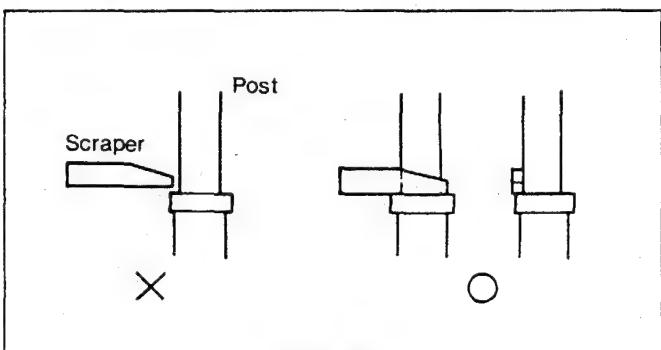
**Fig. 16**

2. At first lower all the posts so that the condition of height becomes as shown in Fig. 17.  
 (Lower end of post, tape guide should be lower than scraper) Loosen a hex. screw located in lower portion of posts (P2 & P3) and then turn them.



**Fig. 17**

3. Place the dial gauge on the adjustment plate and fit the scraper to the post. The condition to fit the scraper should be as shown.  
 (The scraper of gauge should be fully lowered till it touches the plate).



**Fig. 18**

4. Set the dial gauge to zero "0", and slowly raise the post until just the post is raised to touch the scraper. To adjust P1 and P4, use the nut driver. To adjust P2 and P3, use the post adjustment screwdriver.

**Note:** Upon completion of adjustment, tighten hex screws on the P2 and P3.

### 3-2-9. Tape Interchangeability Adjustment

#### \* Equipment Required:

Alignment Tape ..... (DN-2)  
Post Adjustment Screw driver  
Oscilloscope

1. Remove the Top Cover, Bottom Plate.
2. Set the tracking volume into the detent (fixed) position.  
And connect the oscilloscope to TP302.

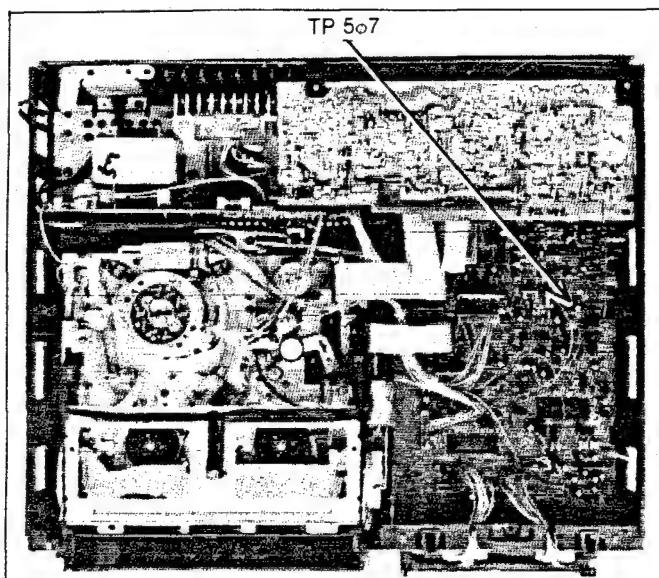


Fig. 19

3. Play back the alignment tape (DN-2) and adjust posts P2 and P3 watching the scope display (Envelope of W501 NO 2 (TP507) on servo-logic P.C. board) so that the RF envelope on the scope becomes as flat as possible.  
( $V1/V\text{-max} \geq 0.7$ ,  $V2/V\text{-max} \geq 0.8$ )

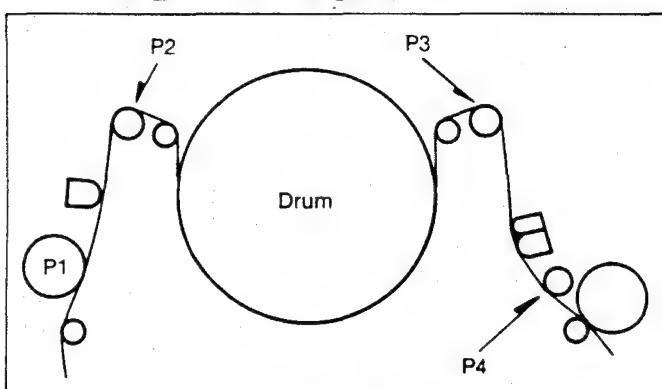


Fig. 20

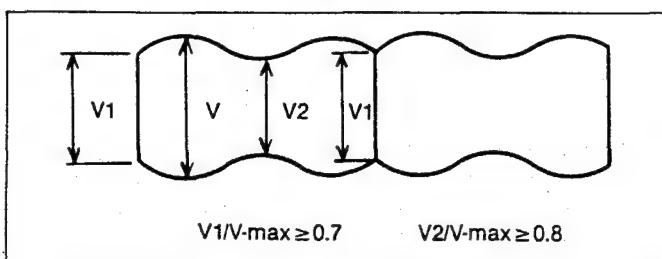


Fig. 21

4. When the scope display is as follows, adjust the height of P2.

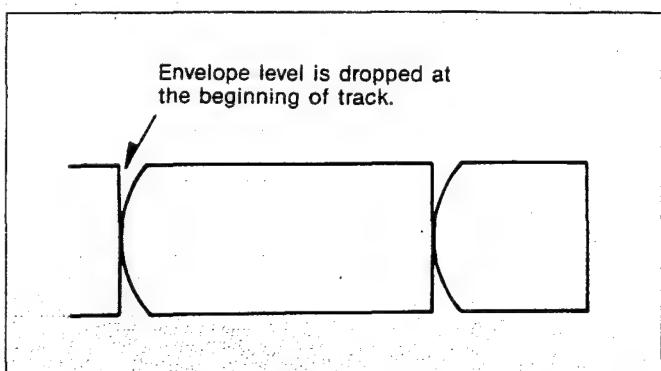


Fig. 22

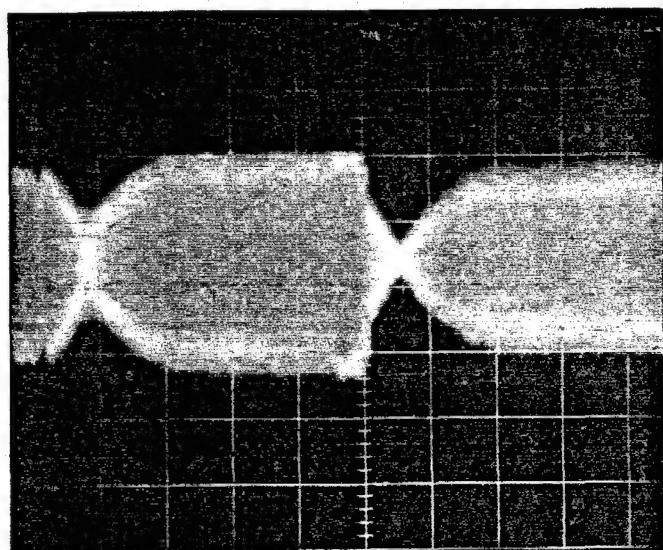


Fig. 23

5. When the scope display is as follows, adjust the height of P3.

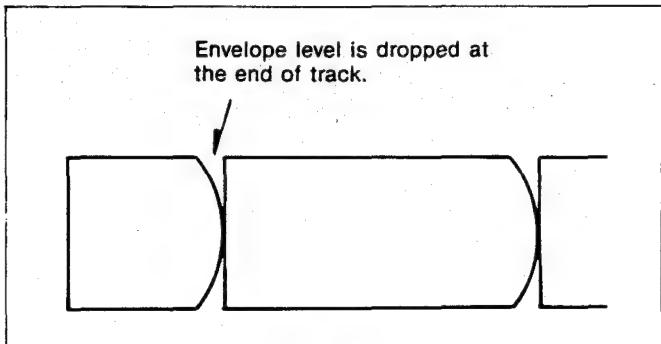
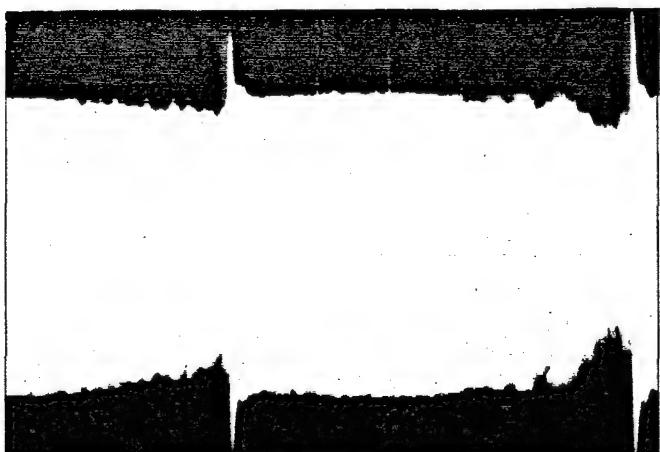


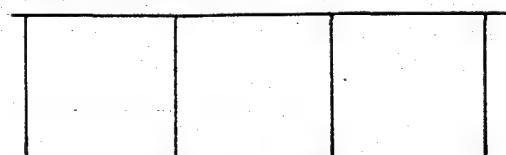
Fig. 24



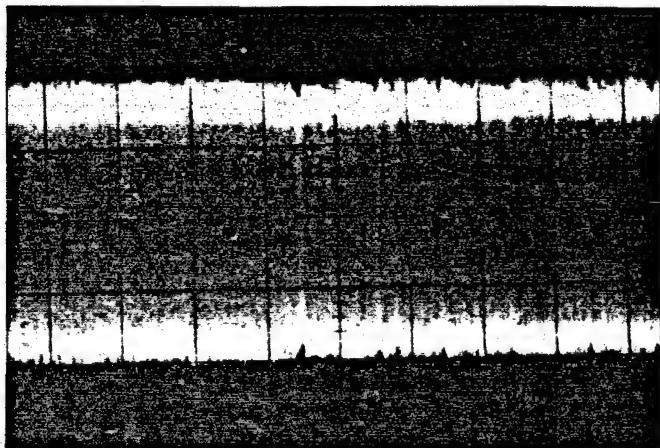
**Fig. 25**

6. The scope display with P2 and P3 adjusted correctly should become as shown below.

Envelope is adjusted properly.

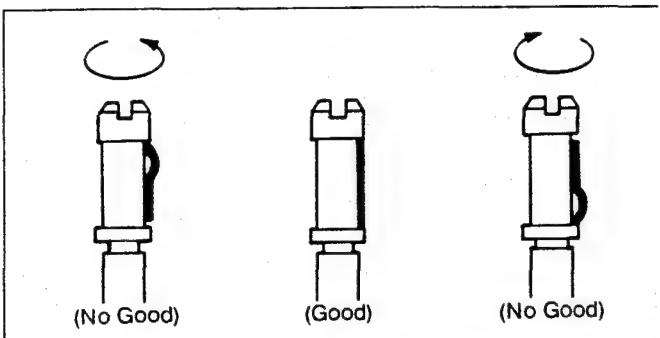


**Fig. 26**



**Fig. 27**

7. When the adjustment is required, turn the top of post with the post adjustment screwdriver.



**Fig. 28**

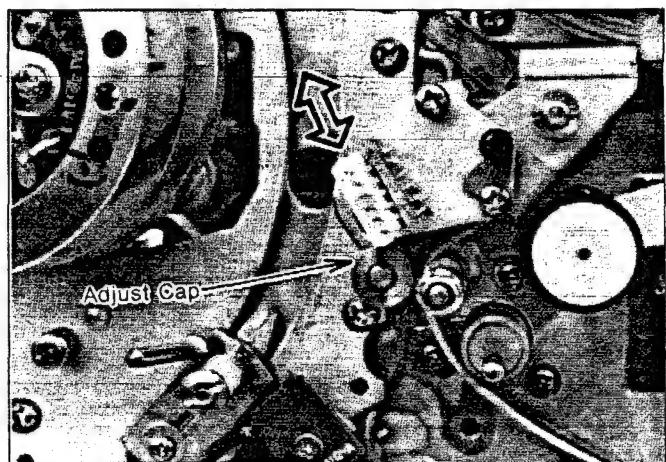
### 3-2-10. Adjustment and Confirmations of A/C Head

#### 1. Horizontal Position Adjustment of A/C Head

##### \* Equipment Required:

Alignment Tape ..... (DN-2)  
X-Position Adjustment Screwdriver  
Oscilloscope

1. Set the tracking volume into the detent (fixed) position. And connect the oscilloscope to the TP302.
2. Playback the alignment tape DP-2 and confirm the envelope figure.
3. If the adjustment is required, set the X-position adjustment screw-driver into the slot of the adjust-cap and rotate in either of direction to obtain maximum envelope output.

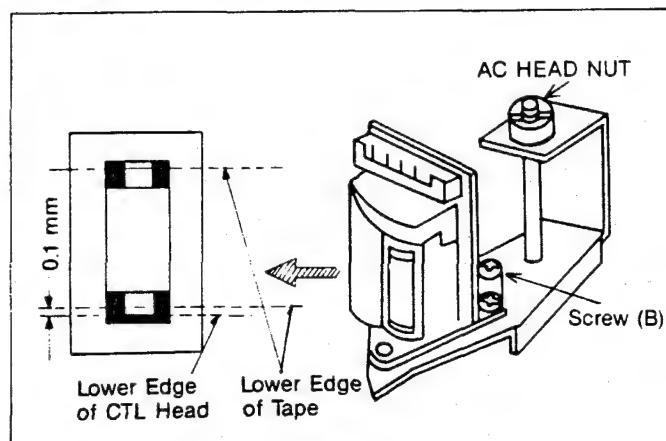


**Fig. 29**

#### 2. Confirmation/Adjustment of A/C Head Height

##### A. Confirmation Procedure

Looking at the lower edge of the control head with the tape running, ensure the lower edge of tape runs approximately 0.1 mm above the lower edge of the control head.



**Fig. 30**

##### B. Adjustment Procedure

Slightly turn the AC Head Nut in either directions to correct it. Turn clockwise to lower the head and counterclockwise to raise it.

**Note:** Unless the A/C Head is replaced, this adjustment should not be done.

### 3. Tilt Adjustment of A/C Head

#### \* Equipment Required:

Alignment Tape ..... (DN-2)  
Screw Driver  
Oscilloscope

#### A. Pre-Adjustment Procedure

Playback the tape and confirm the tape runs between lower and top limiters of the post P4. If the lower edge or top edge of the tape turns with waving or wrinkle, then correct the tilt of the A/C head by turning screw (B) shown in Fig. 30.

**Note:** Unless the post P4 is pre-adjusted, this pre-adjustment procedure should not be done. (Refer to the section of "Height Adjustment of Tape Guide Pole").

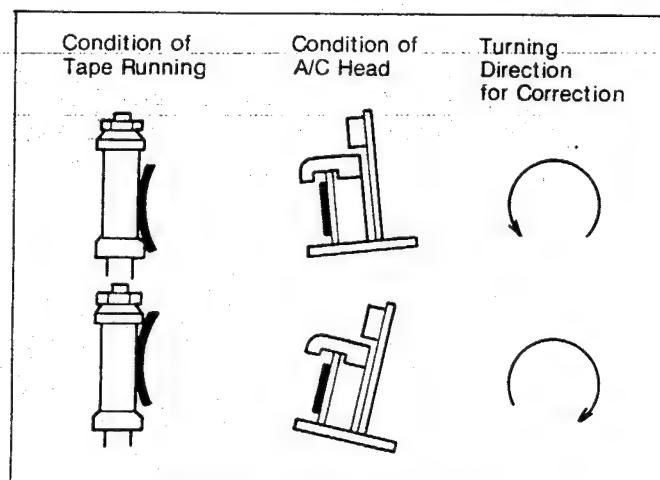


Fig. 31 Tilt Pre-Adjustment

#### B. Adjustment Procedure

1. Connect the oscilloscope to AUDIO OUT JACK (J101).
2. Playback the alignment tape DN-2 and adjust screw (B) so that AUDIO output level becomes maximum.

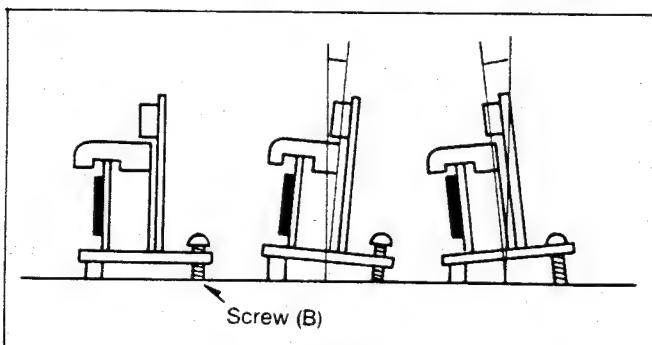


Fig. 32

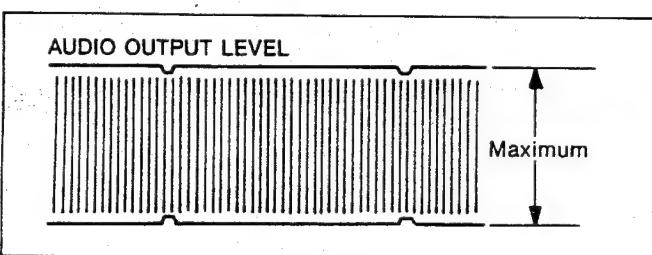


Fig. 33

### 4. Audio Azimuth Adjustment

#### \* Equipment Required:

Alignment Tape ..... (DN-2)  
Oscilloscope

1. Connect the oscilloscope to the audio output on the rear of the deck.
2. Playback the alignment tape (6KHz Audio) DP-2.
3. Adjust screw (C) without spring on the head base so that output level becomes maximum.

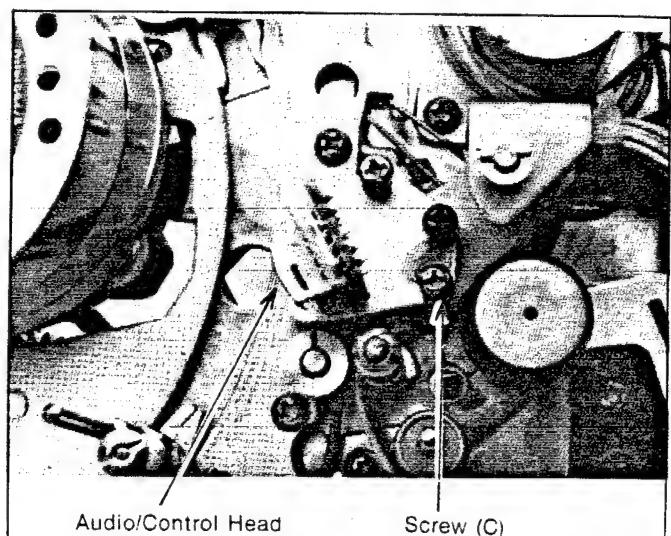


Fig. 34

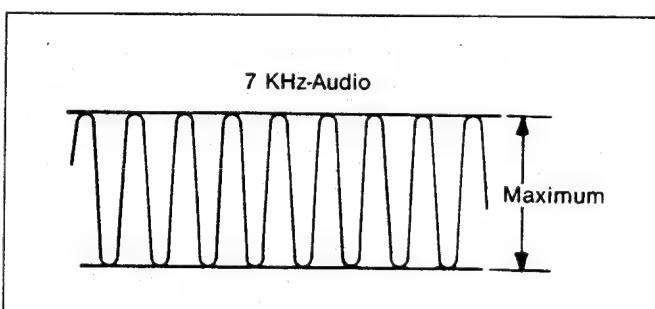


Fig. 35

#### 3-2-11. Adjustment of Cam Gear and Slide Switch

##### General Condition:

The mechanism of this model is mostly engaged to the electrical circuit, System Control Circuit, through the slide switch. Therefore the relation between the slide switch and the cam gear decides all further mechanical movements of the mechanical parts such as levers, gears, rollers and so on. If the adjustment of this item is performed improperly, the deck will be unloaded or compulsorily stopped. And it will result in being damaged at any mechanical or electrical parts.

**Note:** Before the adjustments turn power switch on and insert a cassette tape and set the slide switch to the stop position, and plug off.

#### A. Adjustment Procedures of Cam Gear

- Turn Loading gear clockwise until the post 2 and 3 are fully unloaded. The small projection on the loading gear will be top portion under the condition of Unloading Completion.

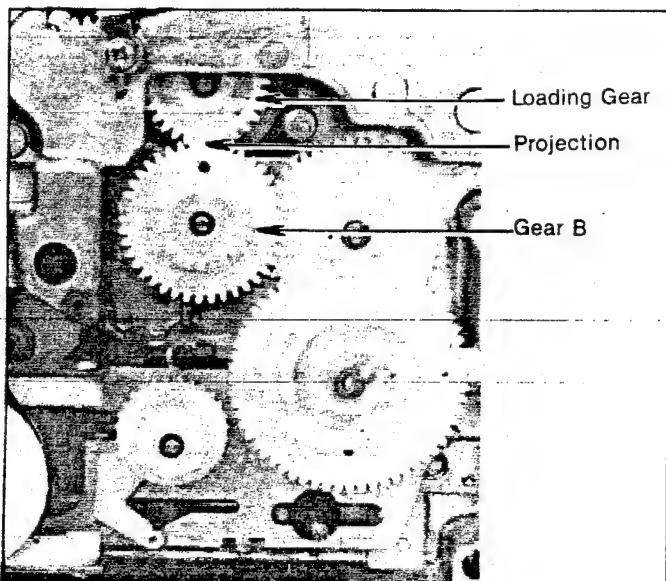


Fig. 36

- Install Gear B so that the hole on Gear B meets the projection on the loading gear. Ensure that the loading gear is still in the condition of the unloading completion.
- Slowly slide the connect plate so that the V-shaped mark meet the V-shaped mark of the slide switch. As a result, connect plate and slide switch are in a position to be stop mode.
- Insert the cam gear so that the hold on the cam gear meets the hole on the connect plate and the hold on main base. To meet the three holes easily, use the small hex wrench or metal pin.  
Also ensure that two V-shaped marks are fixed.

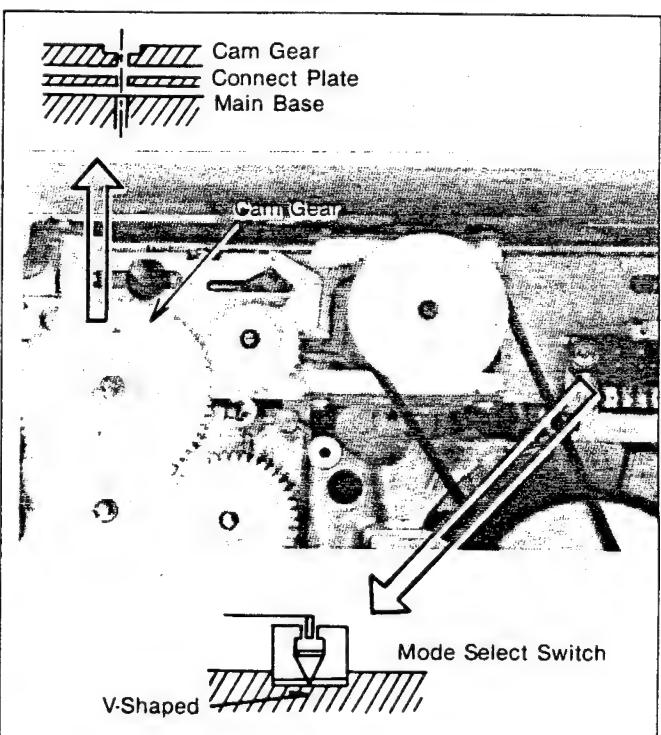


Fig. 38

- Install the rack gear so that boss on the rack gear meets the inner slot of the cam gear (simple slot side). And install 2 G-Rings to cam gear and rack gear.

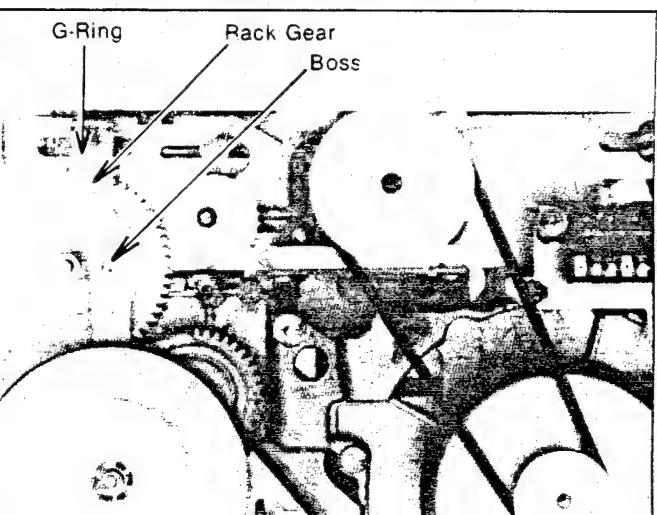
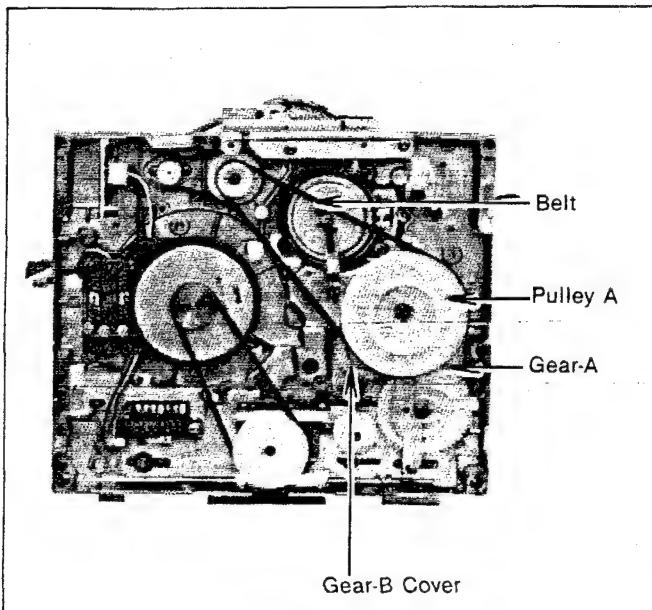


Fig. 39

6. Install the gear B cover on the gear B and tighten the nut for mounting it. And install the pulley A so that the teeth of it contact with the outer teeth of the gear A. Then install a G-ring to mount it as shown in Fig.
7. Install the belts. Turn the pulley A in both direction to confirm the smooth movement of this mechanism.

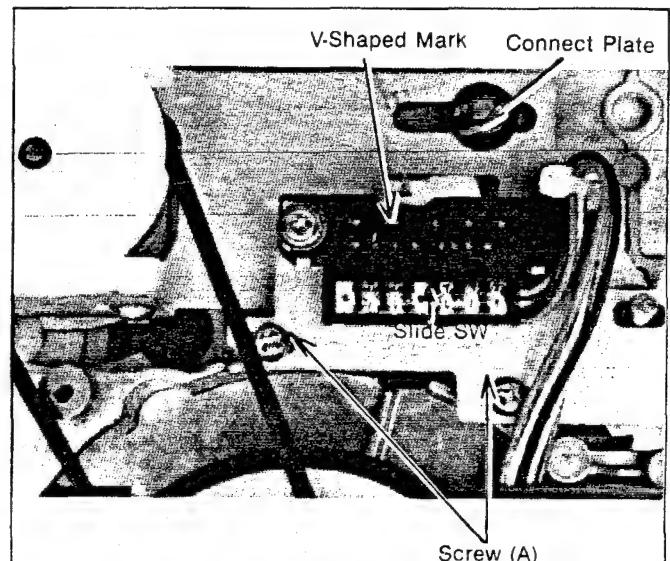


**Fig. 40**

#### B. Adjustment Procedures of Slide Switch

- \* Equipment Required:  
Fine Adjustment Screwdriver

1. Fix the connect plate in the condition of unloading completion.
2. Slightly loosen two screws (A).
3. Adjust the position of the slide switch so that the two V-shaped marks of the slide switch just correspond to the same position. Then tighten two screws (A).
4. Make sure that the movement of the deck is in normal condition.



**Fig. 41**

#### 3-2-12. Replacement of Front Loading Ass'y

1. Remove the 2 Screws (A) shown in Fig. 45.
2. Pull out BUS WIRE from Front Loading ass'y.
3. Draw out Front Loading ass'y with great care.
4. Install the new one in the reverse order.

### 3-2-13. Replacement of F/L Door

1. Move the F/L Door to the left most and disengage the right door boss from the hole provided on (R) Guide Bracker while Warping F/L Door slightly. (Refer to Fig. 42)
2. Remove Door Spring from left door boss.
3. Insert Door spring to the left door boss of new F/L Door in the direction indicated by the arrow as shown in Fig. 43.
4. Hooking one end of the Door spring on A of (L) Guide Bracket and the other end on (B) of F/L Door, insert the left door boss to the hole provided on (L) Guide Bracket. (Refer to Fig. 43)
5. Insert right door boss to the hole provided on (R) Guide Bracket while wraping F/L Door slightly. In this case, make sure that Door Open lever is positioned as shown in Fig. 42.

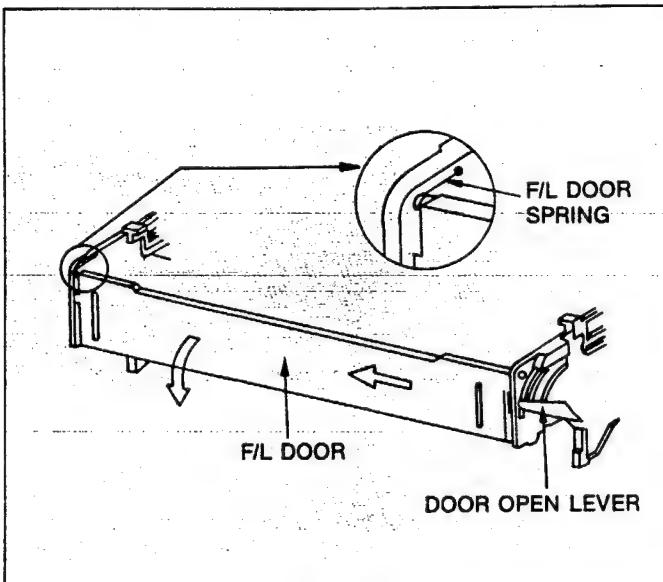


Fig. 42

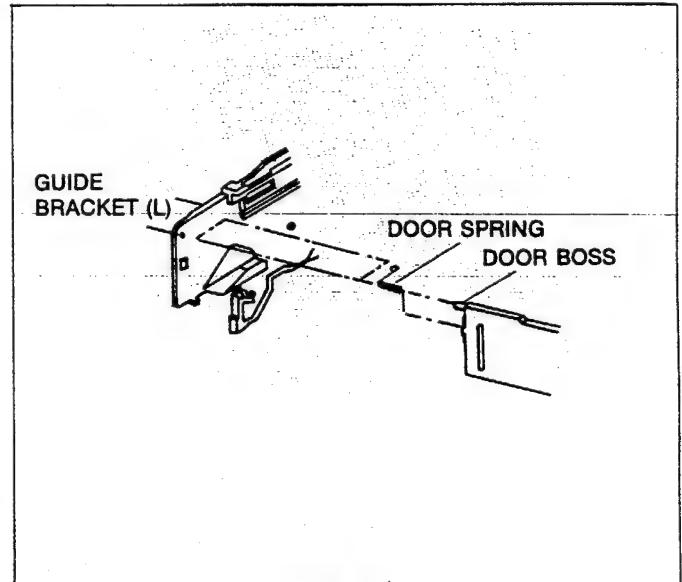


Fig. 43

### 3-2-14. Gear Assembling of Front Loading Assembly

When assembling the gears of Front Loading Ass'y, make sure that worm wheel post, triangular mark of worm wheel ass'y and Screw A are on the straight line in condition of cassette holder bracket being up as shown in Fig. 44.

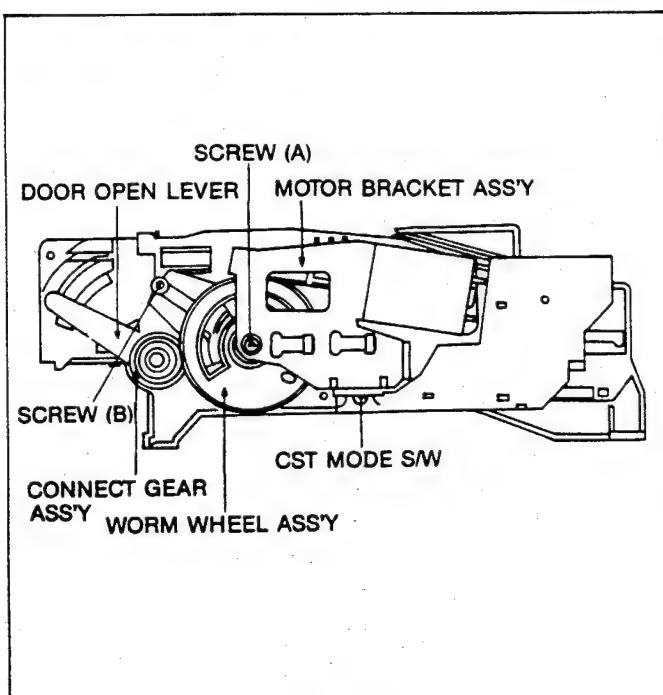


Fig. 44

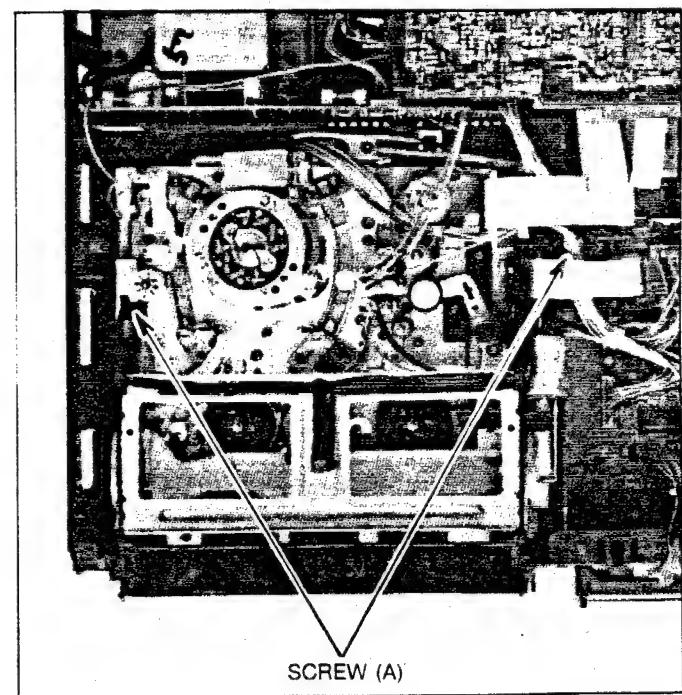


Fig. 45

## 3-3. MECHANICAL DESCRIPTION

### 3-3-1. Tape Transport System

#### Tape transport system

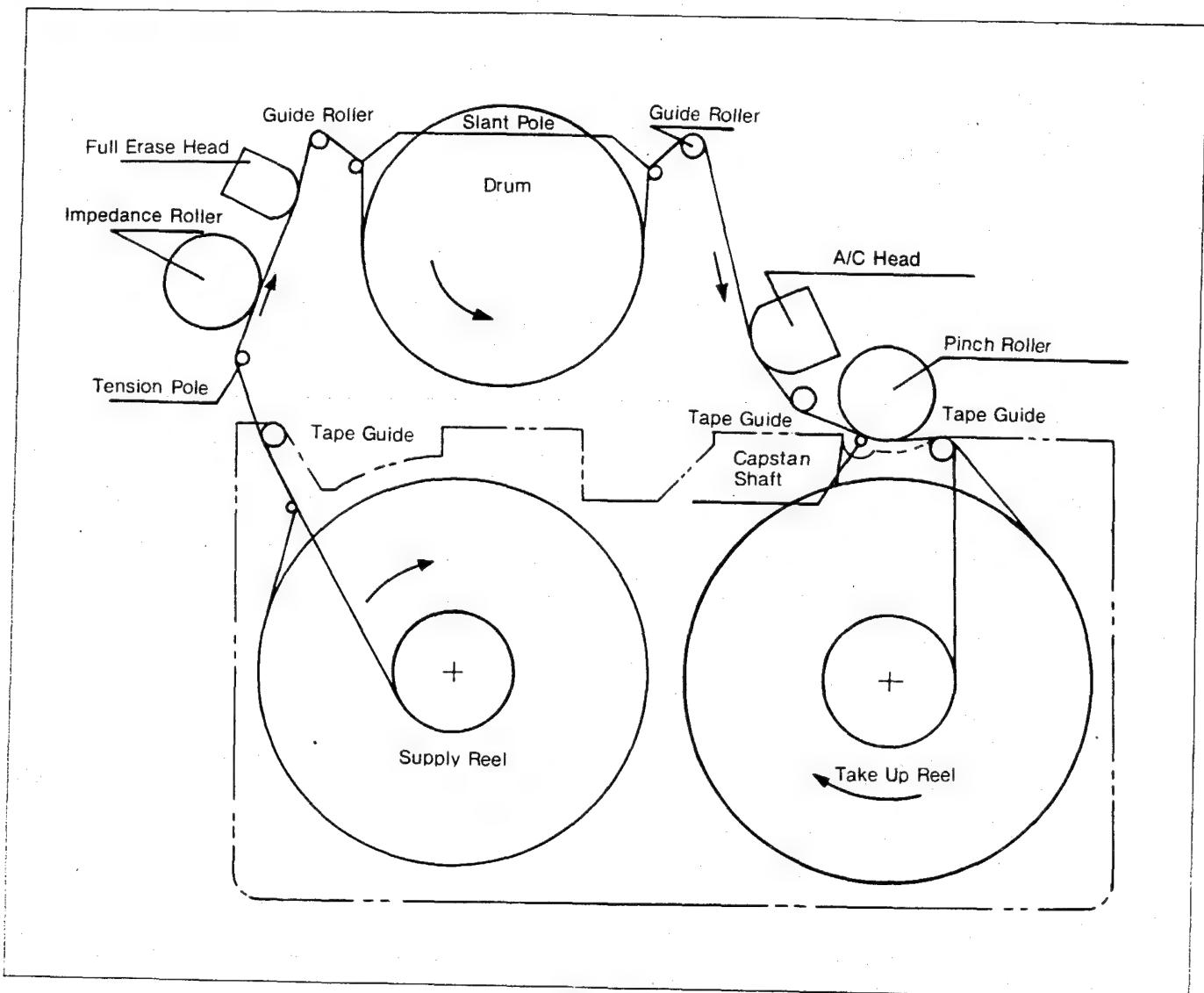


Fig. 46

#### Tape transport system

As the designation implies, the most basic function of this system is to transport the tape past the audio and video heads at the specified speed. However, since this model is a helical scan cassette type machine, numerous additional functions are required, which include extracting the tape from the cassette, wrapping it around the cylindrical head drum with the defined angle, and returning the tape to the cassette after it is no longer needed.

To ensure smooth operation, conformance with VHS specifications and "interchangeability" (which allows a tape recorded by one machine to be played by another machine

of the same format), the positions, heights and inclination angles of the various fixed and movable tape guides must be adjusted and maintained to close tolerances. The most stringent and difficult of these adjustments have been performed at the factory under controlled conditions. Therefore, in service, it is usually only necessary to perform minor adjustments to compensate for wear and after replacing certain parts.

The following description covers the mechanical states for the various operating modes. An adequate understanding of the mechanical processes is essential before attempting to repair or adjust the transport system.

### **3-3-2. Explanation of Modes**

#### **1) STOP**

The cassette tape is placed on the reel table completely by Front Loading Ass'y.

The mechanical position of slide switch in the stop mode is same as that in the Eject mode.

#### **2) FF (REW)**

When the FF (REW) button is pressed, the LC M/T starts to rotate CCW and its rotation is transmitted to the cam gear via the pulley B and pulley A.

The cam gear moves the connect plate in the direction indicated by the arrow as shown in Fig. 50. By the movement of the connect plate the following operations are performed.

- The pinch lever is moved in the direction indicated by the arrow as shown in Fig. 47.
- The connect sub plate starts to be moved when the connect plate is moved and the convex part of the connect plate is geared with the connect sub plate.

Supply and take-up main brakes are released by the return lever which pushes the brakes adjust pin.

When the slide switch detects the FF (REW) mode, the LC Motor is stopped. And simultaneously capstan motor starts to rotate cw or ccw in accordance with the direction of FF or REWIND.

#### **3) PLAY**

When the play button is pressed, the LC M/T starts to rotate cw. The rotation of LC M/T is transmitted to the cam gear, which is rotated cw.

As the cam gear rotates cw, the rack gear is rotated in the direction indicated by the arrow as shown in Fig. 47 according to the increase of the radius of cam surface.

And the (L) Loading gear and (R) Loading gear start to be rotated cw and ccw respectively by the gear (B) which is rotated by the rack gear.

Then the pole base S ass'y and T ass'y extract the tape from the cassette moved along the guide slot on the slide plate by the (L), (R) loading lever ass'y which is driven by the Loading gear (L), (R).

As the connect plate is moved by the rotation of the cam gear, the following operations are performed.

- The tension arm starts to be rotated ccw as shown in Fig. 48.
- The pinch lever is moved slightly to the capstan shaft as shown in Fig. 47.
- The supply and take up main brakes are released.
- The pinch roller is pressed to the capstan shaft and the sub brakes (S, T) are released Idler lever is driven to contact with TU reel table.
- The band brake ass'y is pulled by the tension lever and contacts with the supply reel, which results in applying the back tension. For this reason the tension lever stays at the position where the tensile strength of the tape is balanced with the strength of the tension spring.

When the slide sw detects the play mode, LC M/T is stopped.

And simultaneously capstan M/T starts to rotate.

#### **4) CUE**

The cue mode can be obtained by pushing the FF button in the play mode. The mechanical position of slide switch in the cue mode is same as that in the play mode. In cue mode capstan M/T rotates three times as rapidly as in standard play mode and nine times as rapidly as in extended play mode.

#### **5) REVIEW**

The review mode can be obtained by pushing the REW button in the play mode. Like the above mentioned mode, LC Motor is to rotate until the slide switch detects the review mode.

The mechanical operations performed by the connect plate which is moved by the LC M/T are as follows.

- The tension lever is rotated cw so that the band brake ass'y is released from the supply reel table.
- The S, T sub brakes are actuated on the S, T reel tables respectively.

When the cam switch detects the review mode, the LC M/T is stopped and at the nearly same time, capstan M/T start to rotate in the reverse direction.

## 6) UN-LOADING

When the stop button is pressed in the play mode the capstan M/T is stopped and the LC M/T starts to rotate ccw. The rotation of LC M/T is transmitted to the cam gear, which is rotated ccw as shown in Fig. 51. As the cam gear rotates ccw, the rack gear is rotated in the direction indicated by the arrow as shown in Fig. 51 according to the decrease of the radius of cam surface. And the (L) loading gear and (R) loading gear start to be rotated ccw and cw respectively by the gear B which is rotated by the rack gear. While (L), (R) loading gear are rotated, the capstan motor rotates the S reel table ccw for rewinding tape.

- The tension lever starts to be rotated cw as shown in Fig. 52.
- The pinch lever is moved in the direction indicated by the arrow as shown in Fig. 51.
- The supply and take up reel brakes are moved in the direction indicated by the arrow as shown in Fig. 51 and actuated on the S and T-U reel table.
- The S sub brake and T sub brake are actuated on the S and T-U reel table.

When the slide switch detects the stop mode, the LC M/T is stopped.

### (1) LOADING MODE (I)

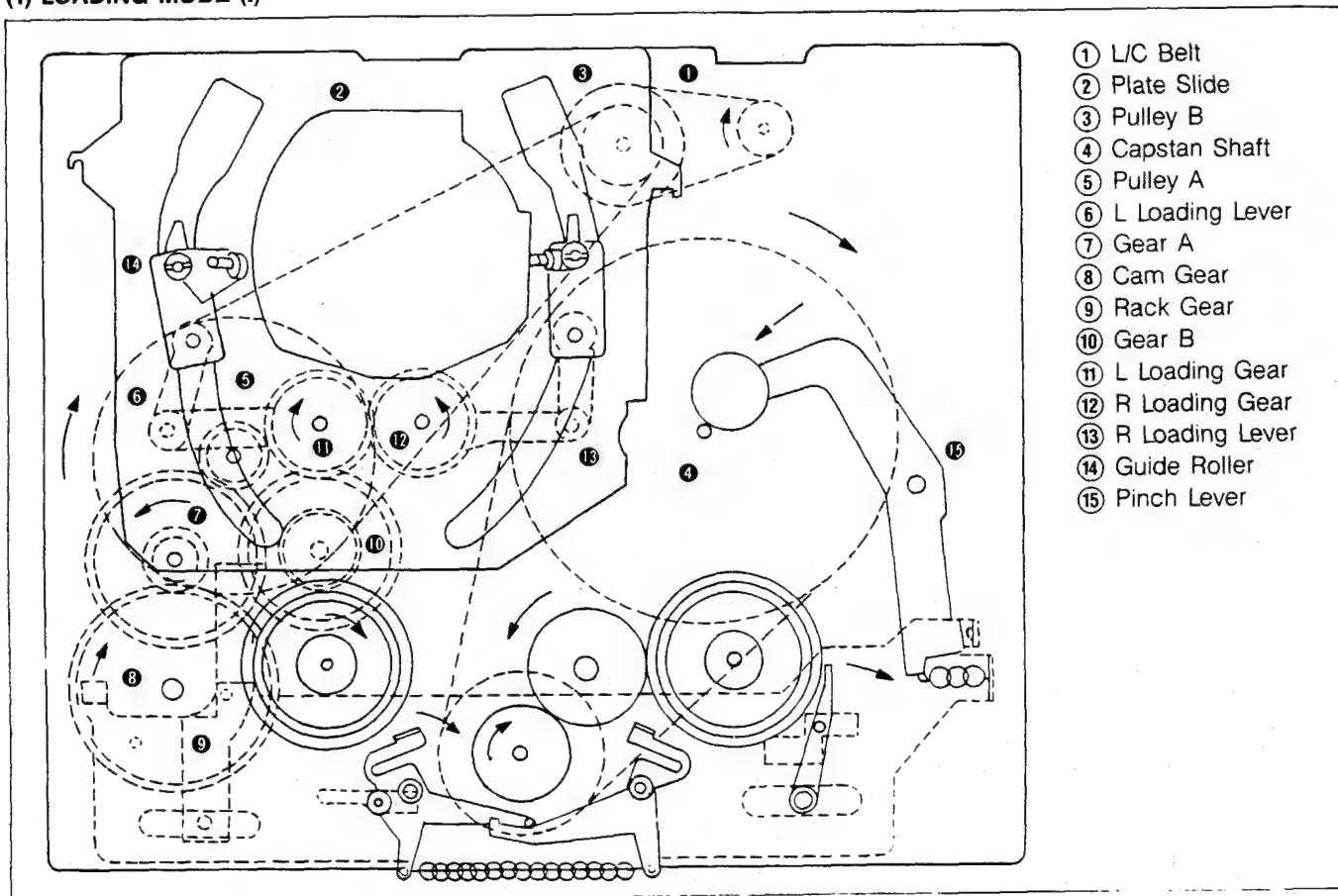
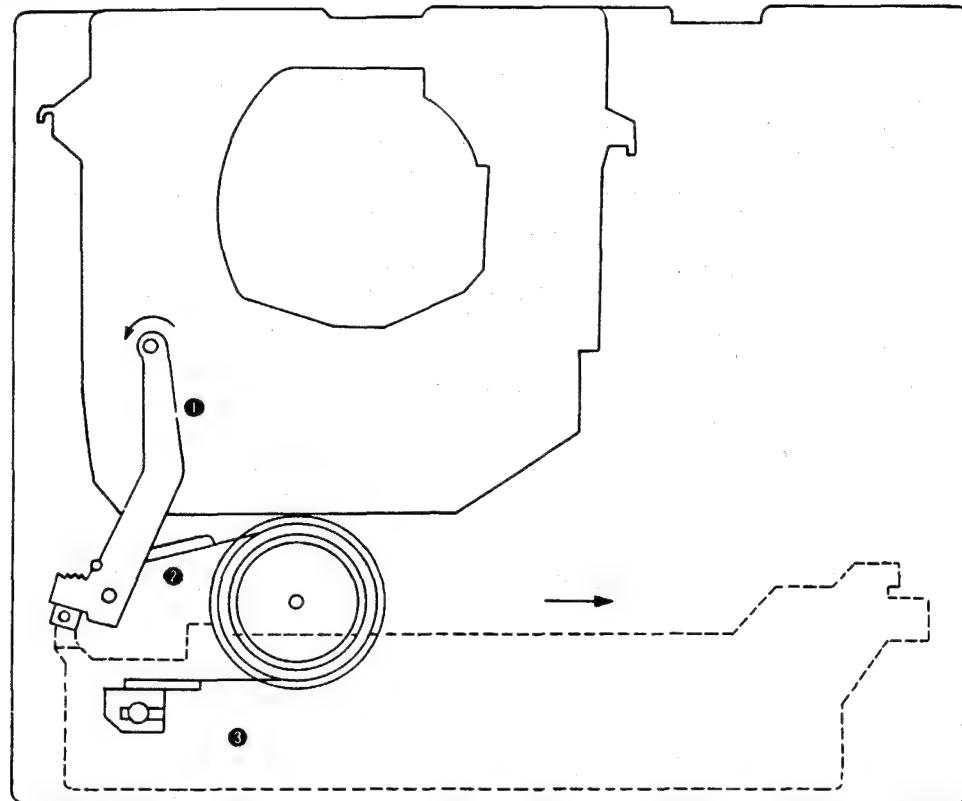


Fig. 47

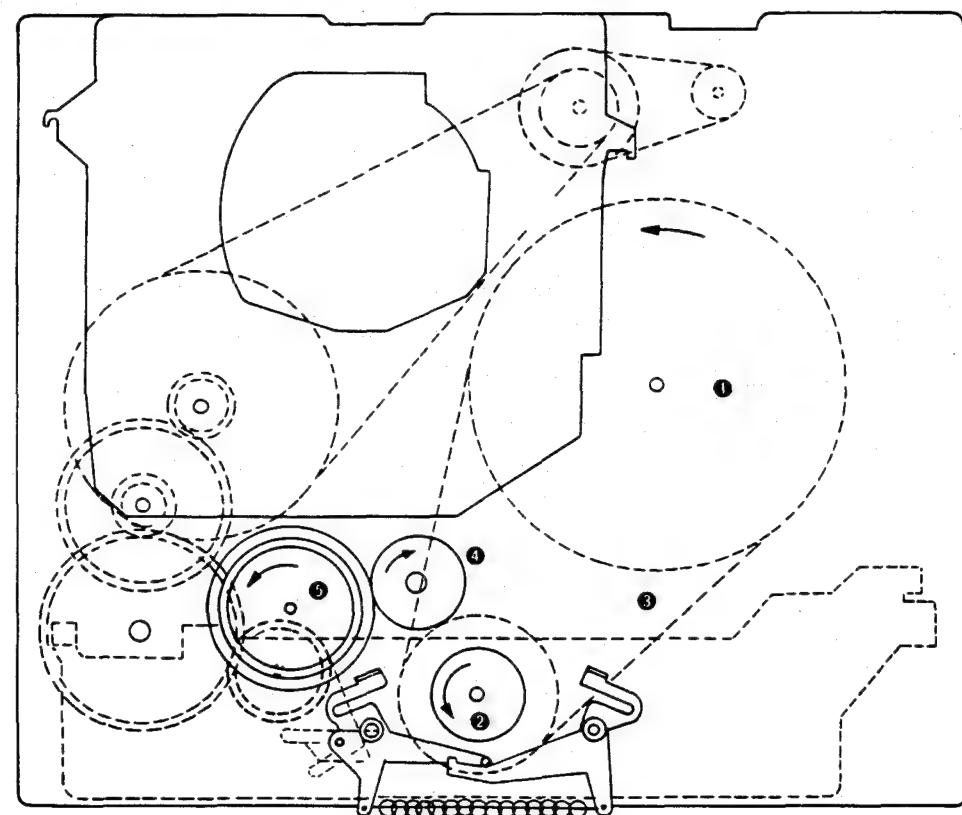
(2) LOADING MODE (II)



- ① Tension Lever
- ② Band Brake
- ③ Connect Plate

Fig. 48

(3) REWIND MODE



- ① Capstan Motor
- ② Reel Pulley
- ③ Reel Drive Belt
- ④ Idler
- ⑤ Supply Reel Table

Fig. 49

(4) FAST FORWARD MODE

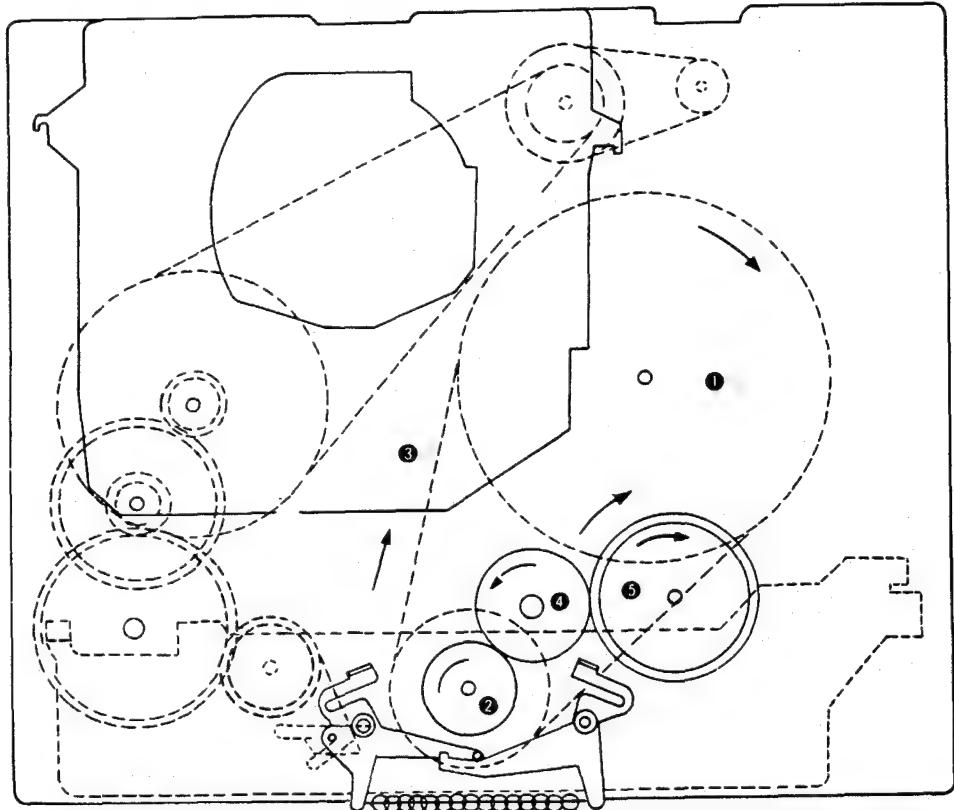


Fig. 50

(5) UNLOADING MODE (I)

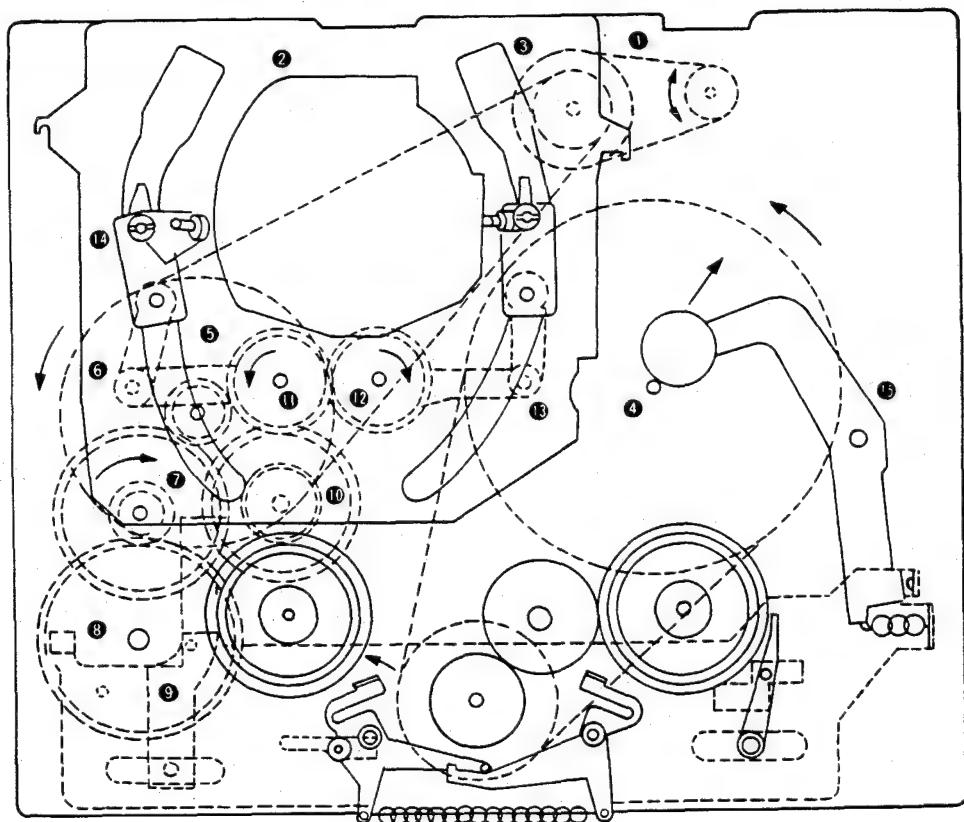


Fig. 51

**(6) UNLOADING MODE (II)**

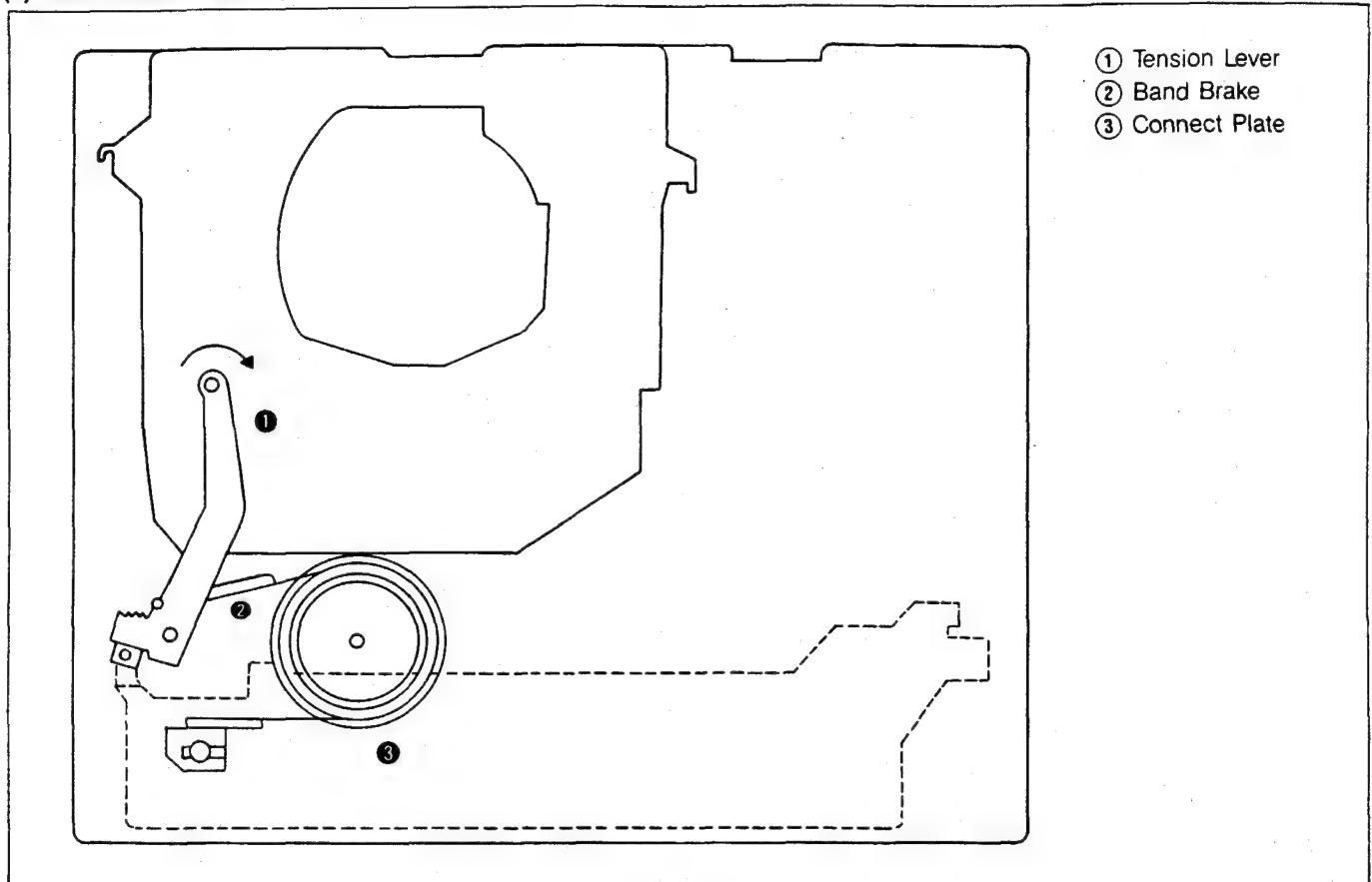
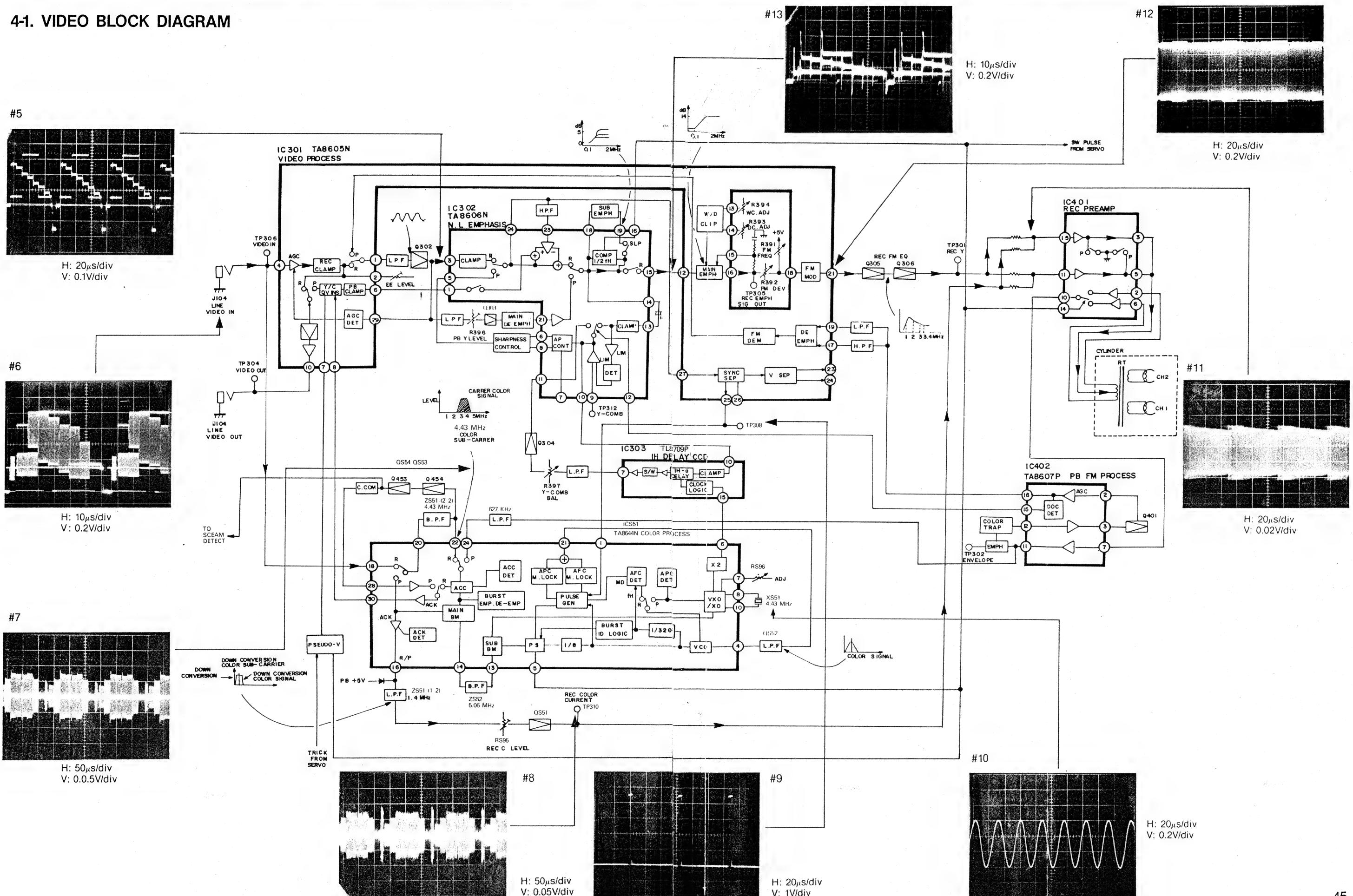


Fig. 52

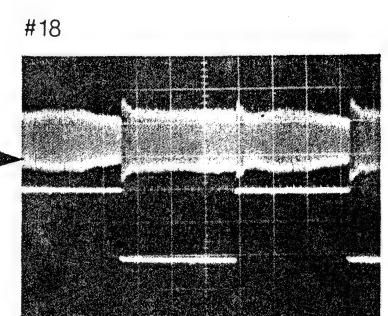
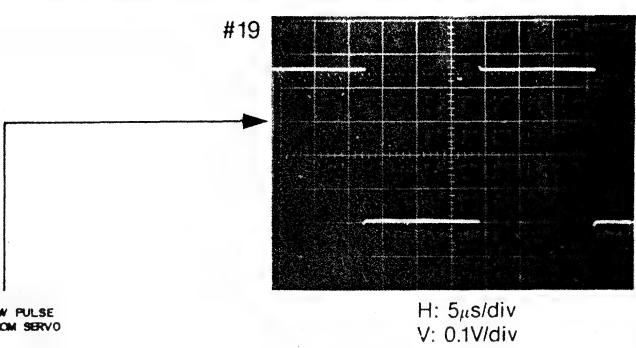
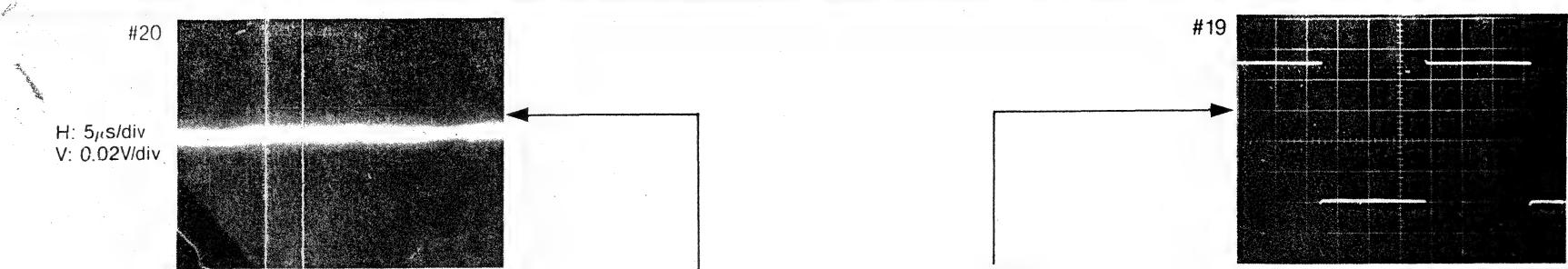
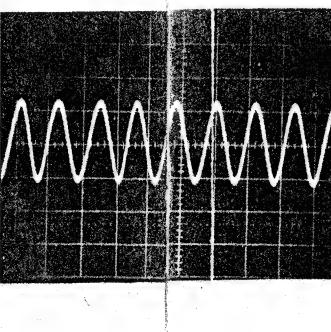
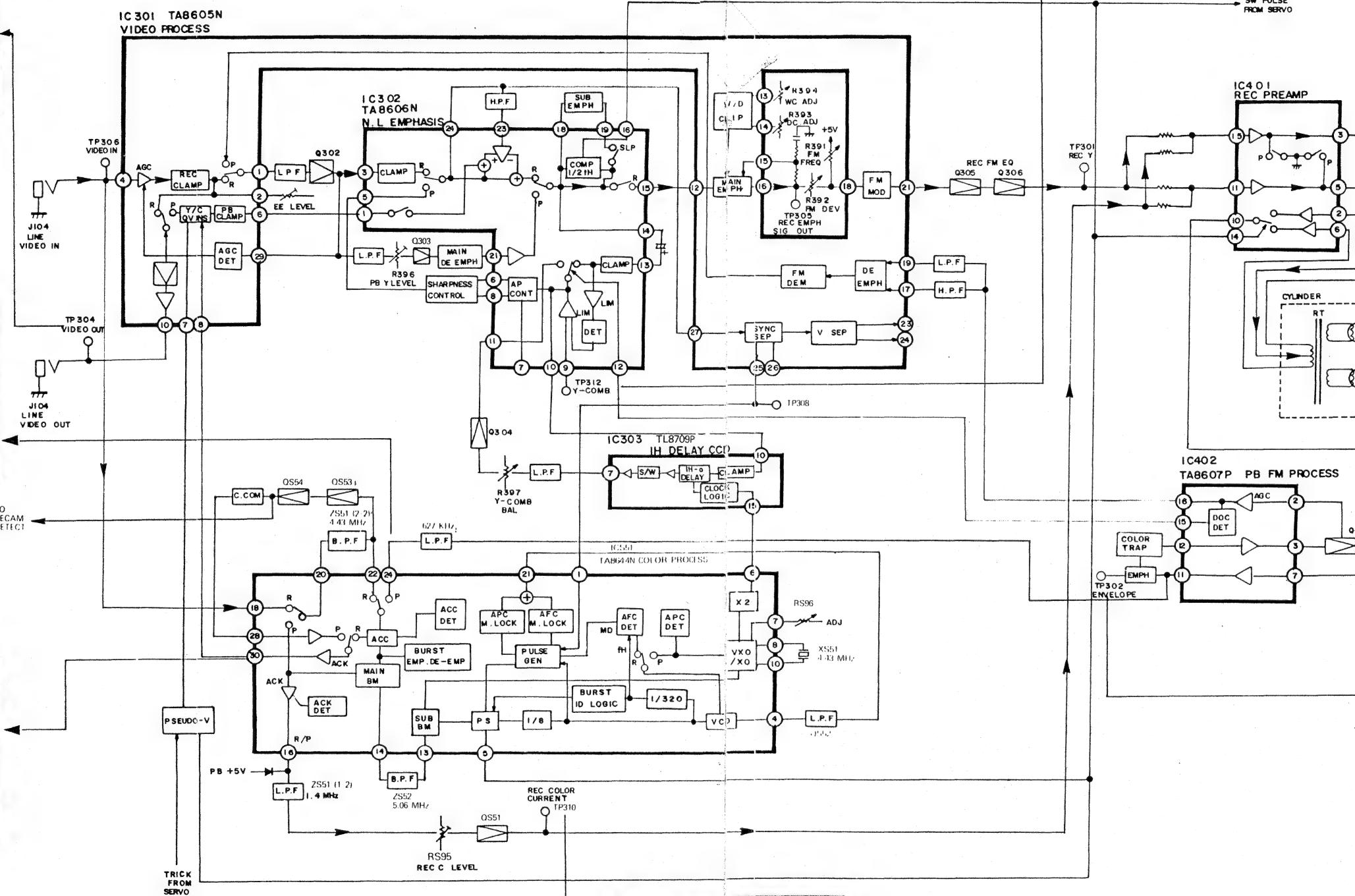
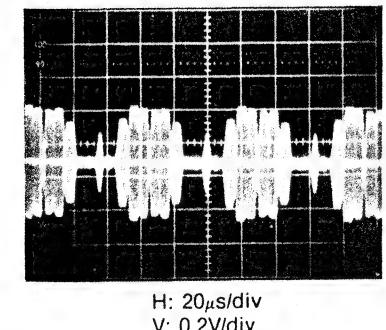
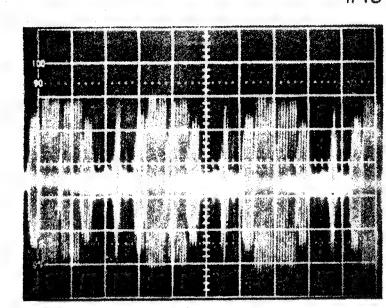
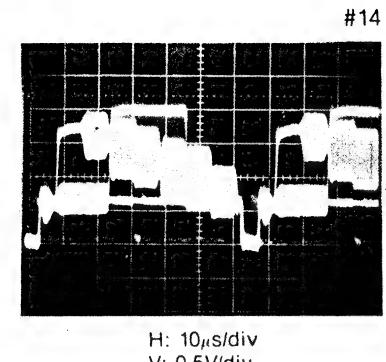
# **SECTION 4.**

# **BLOCK DIAGRAM AND CIRCUIT BOARD**

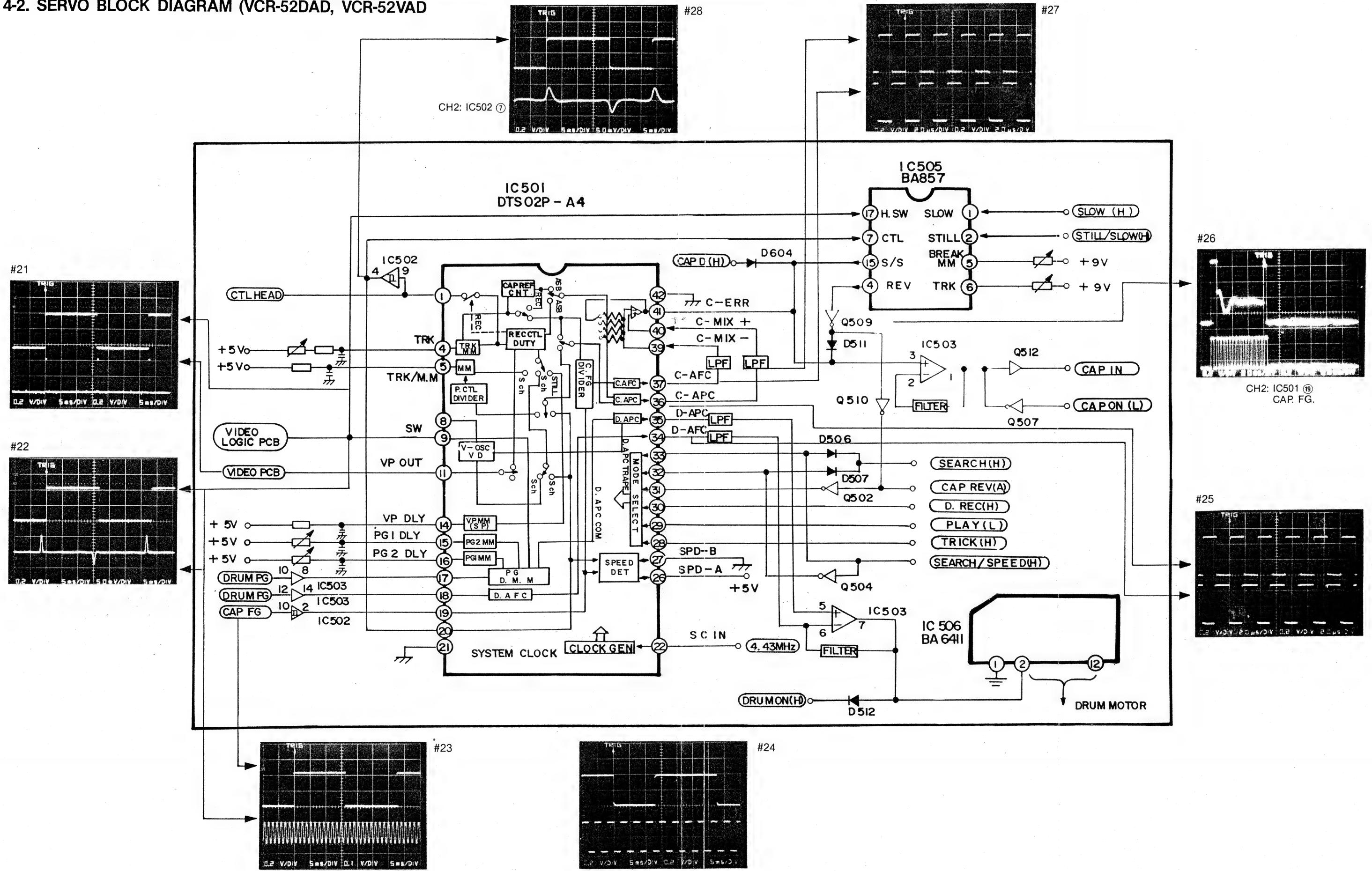
## 4-1. VIDEO BLOCK DIAGRAM



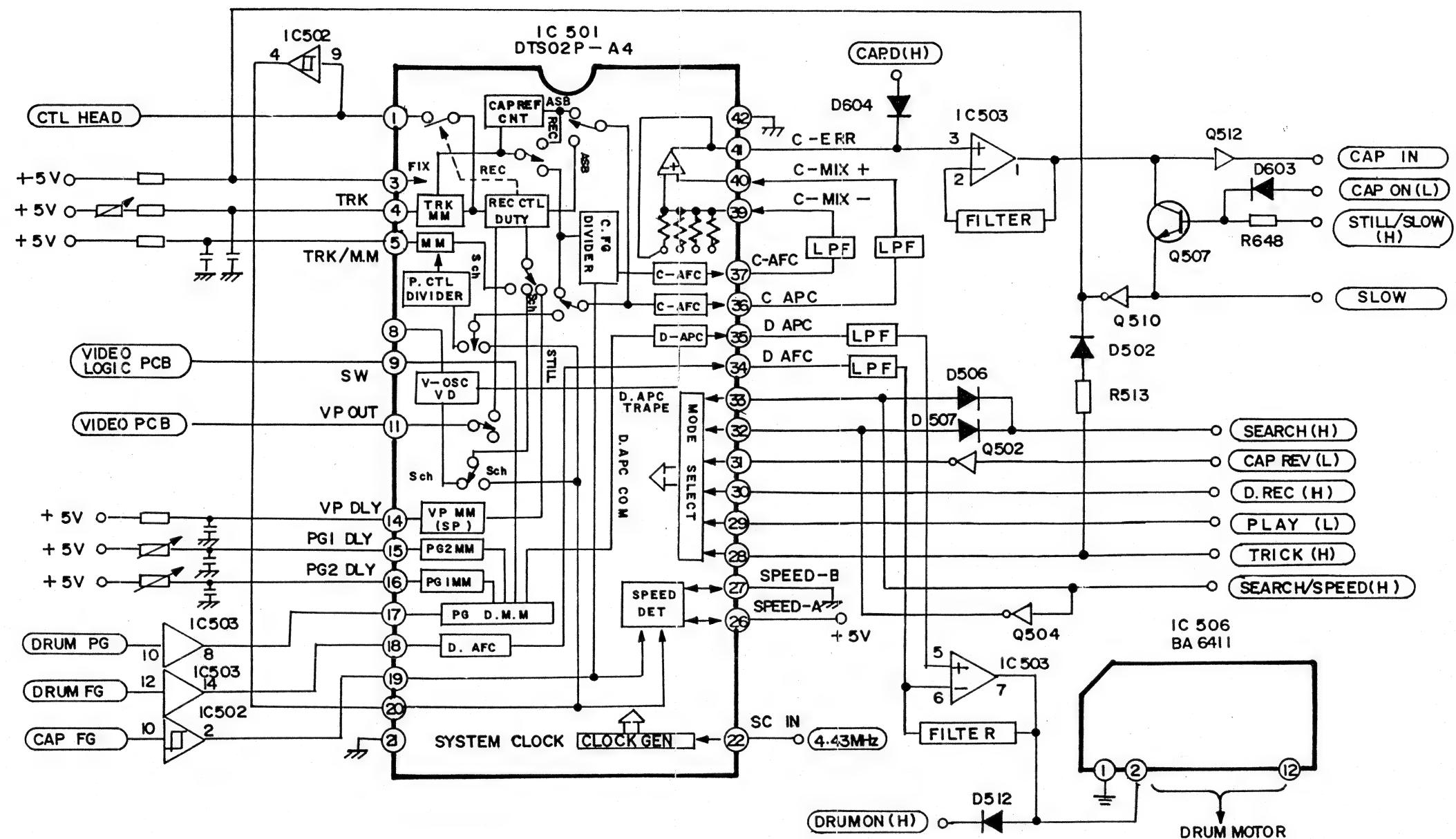
## VIDEO BLOCK DIAGRAM • PLAY MODE



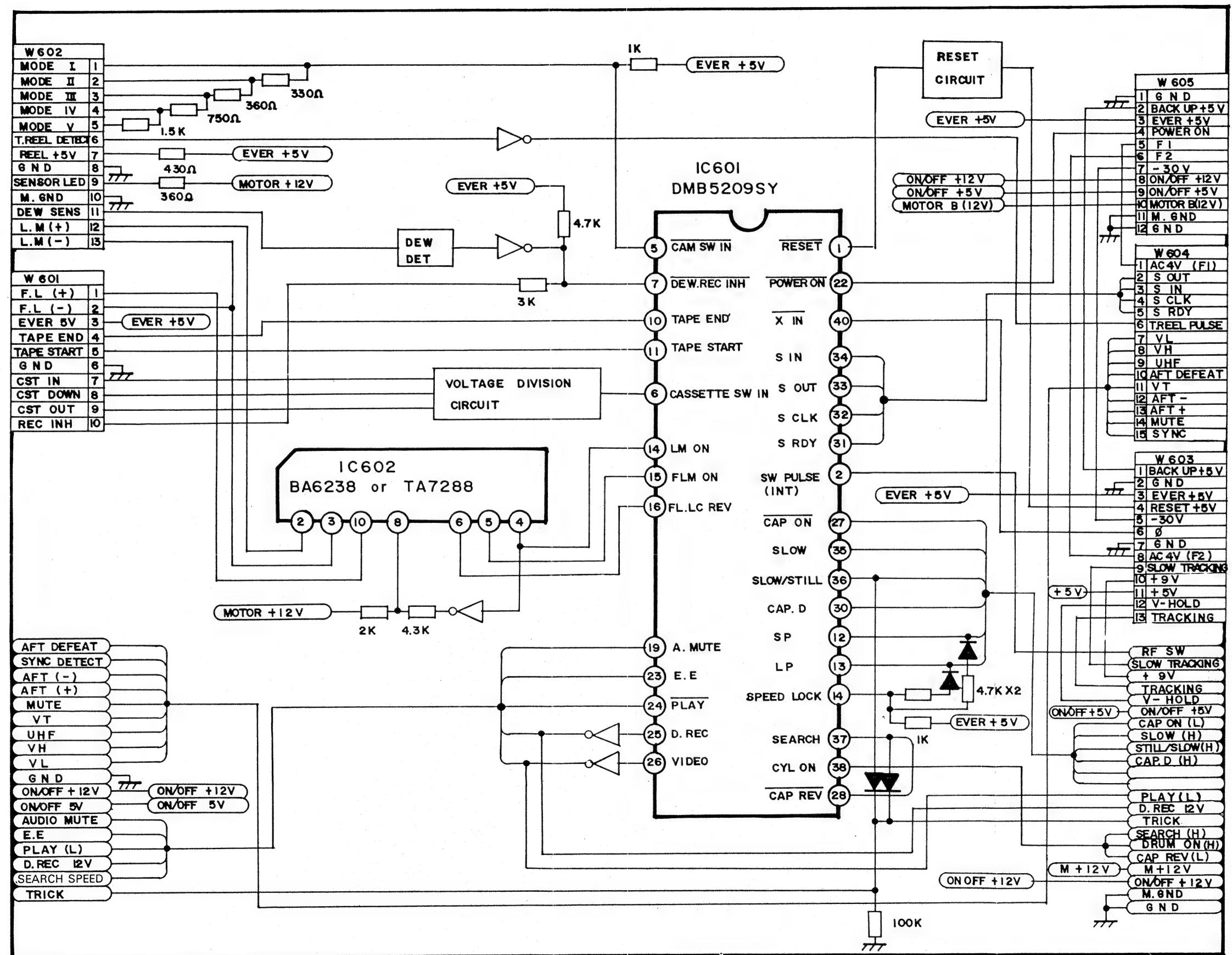
#### 4-2. SERVO BLOCK DIAGRAM (VCR-52DAD, VCR-52VAD)



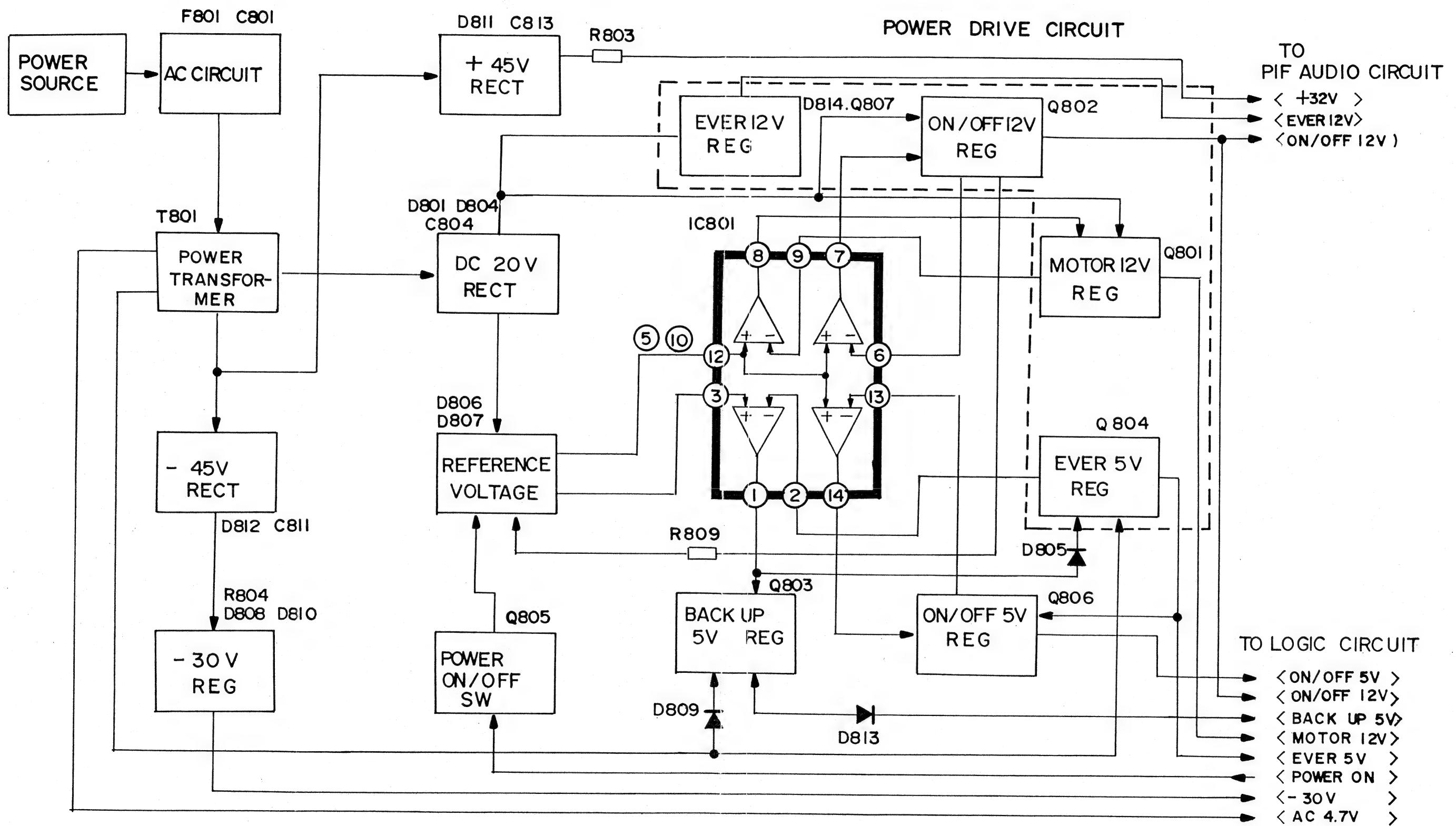
4-3. SERVO CIRCUIT DIAGRAM (VCR-32DAD (P) SERIES)



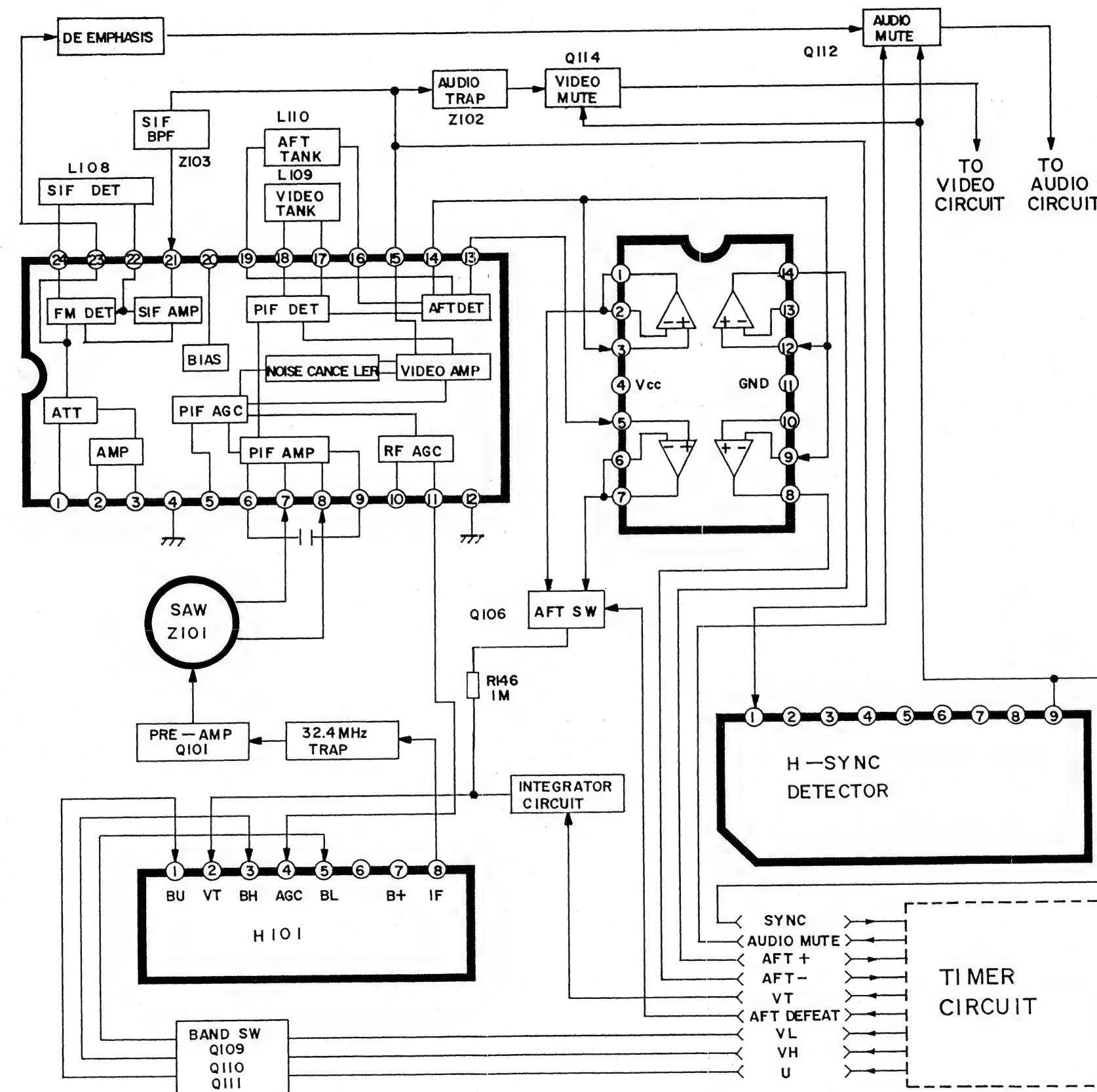
#### 4-4. SYSCON BLOCK DIAGRAM



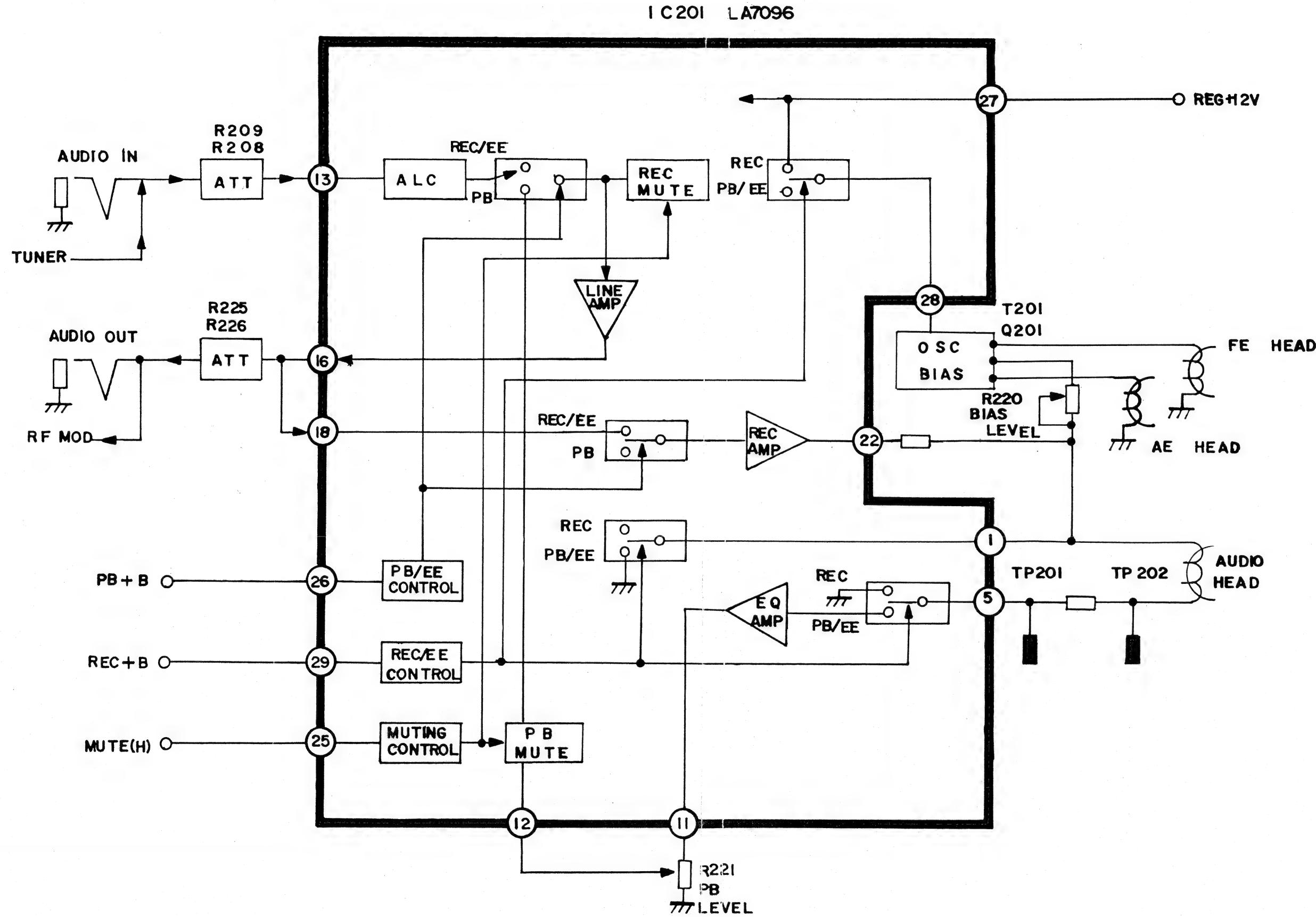
#### 4-5. POWER BLOCK DIAGRAM



4-6. PIF BLOCK DIAGRAM

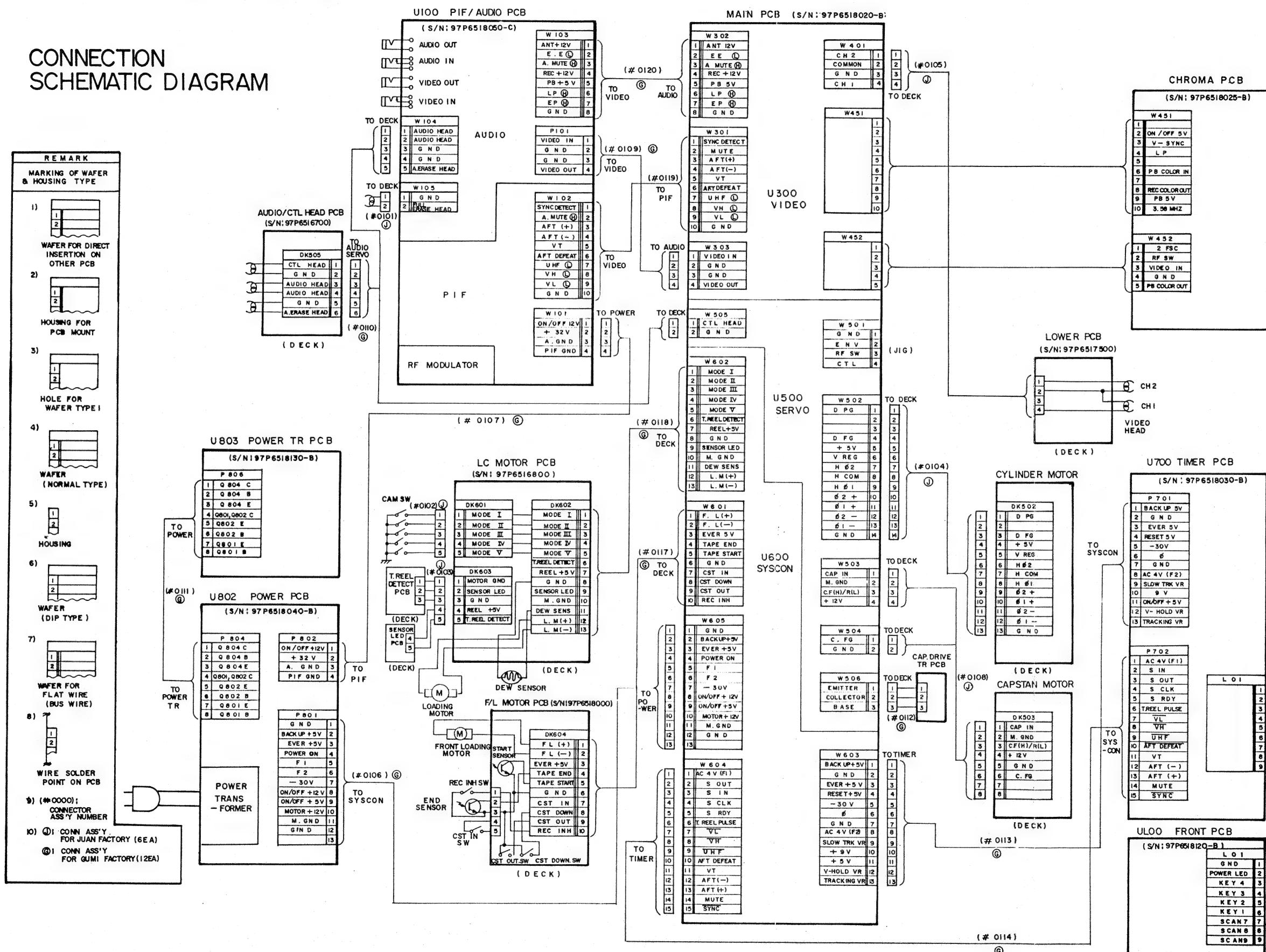


#### 4-7. AUDIO BLOCK DIAGRAM

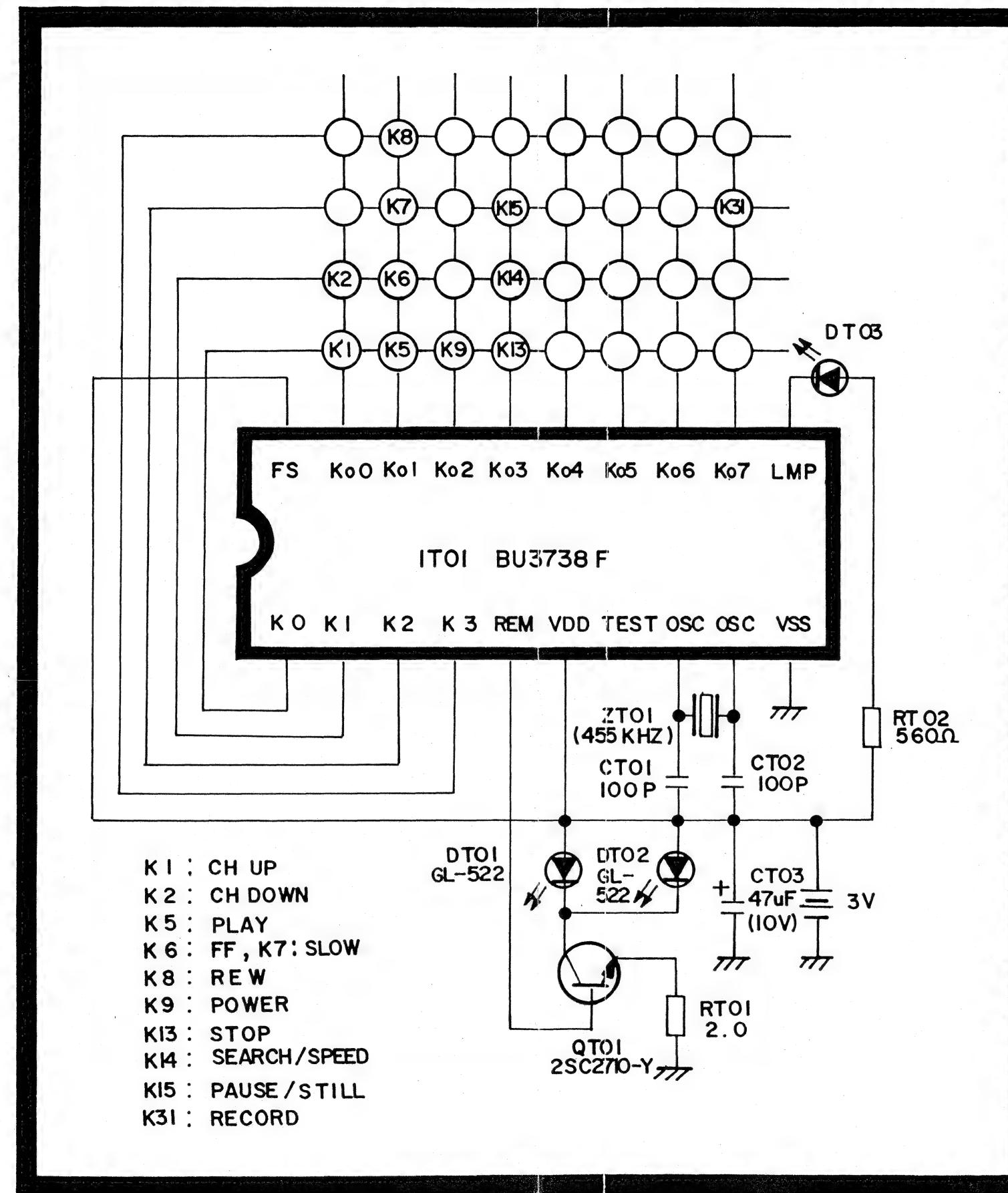


## 5-1. CONNECTION SCHEMATIC DIAGRAM

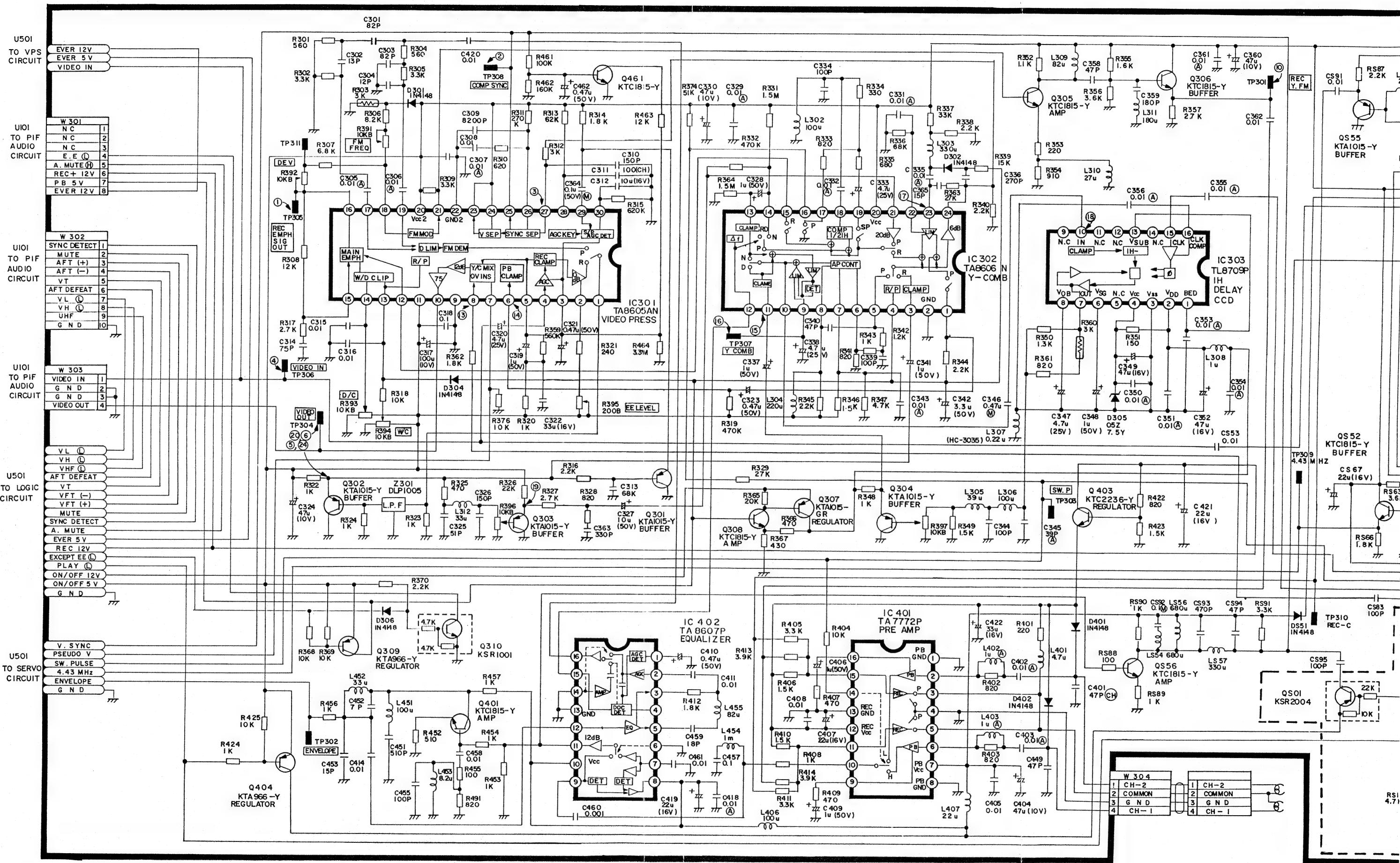
## CONNECTION SCHEMATIC DIAGRAM

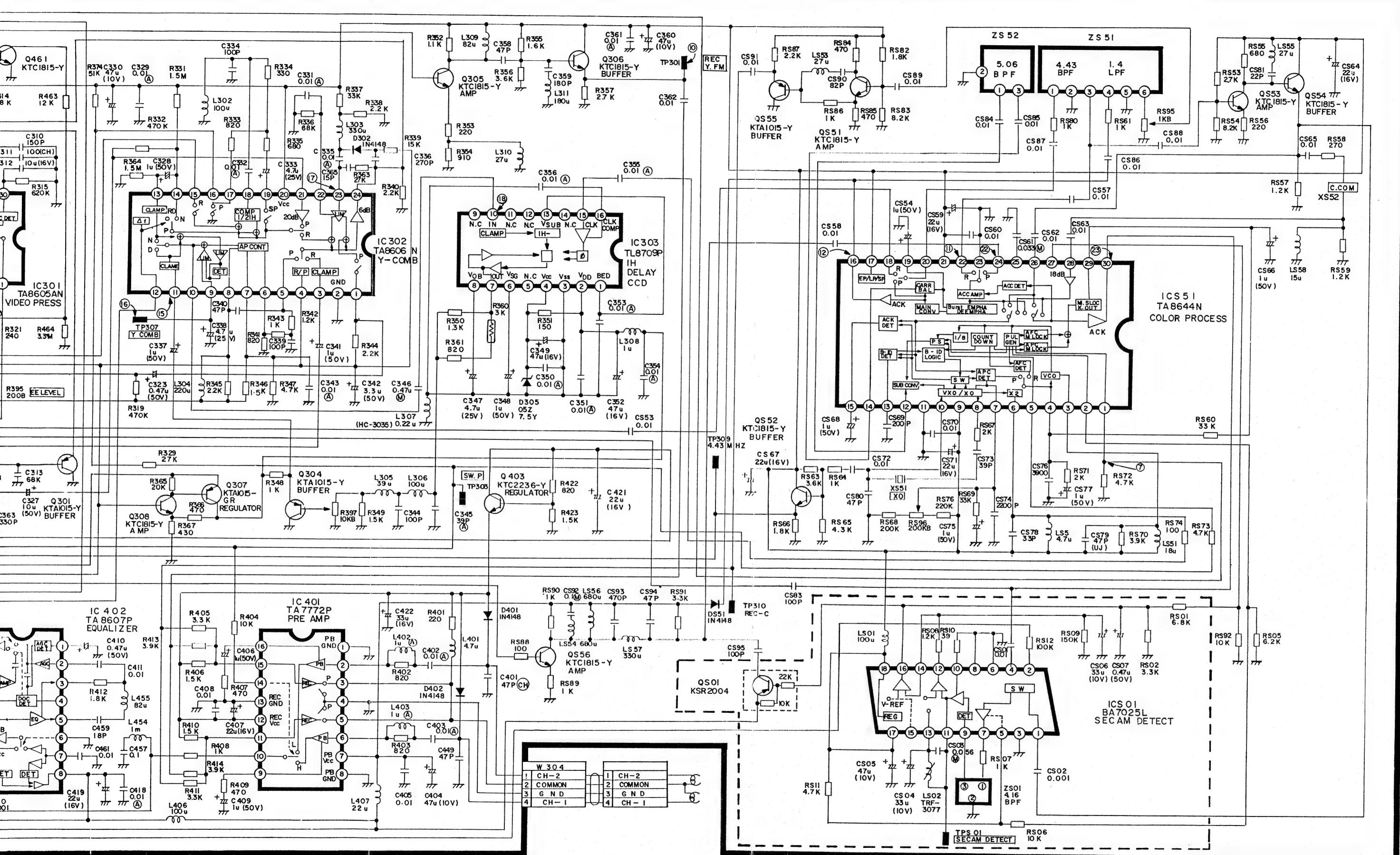


## 5-2. REMOTE CONTROL TRANSMISSION CIRCUIT

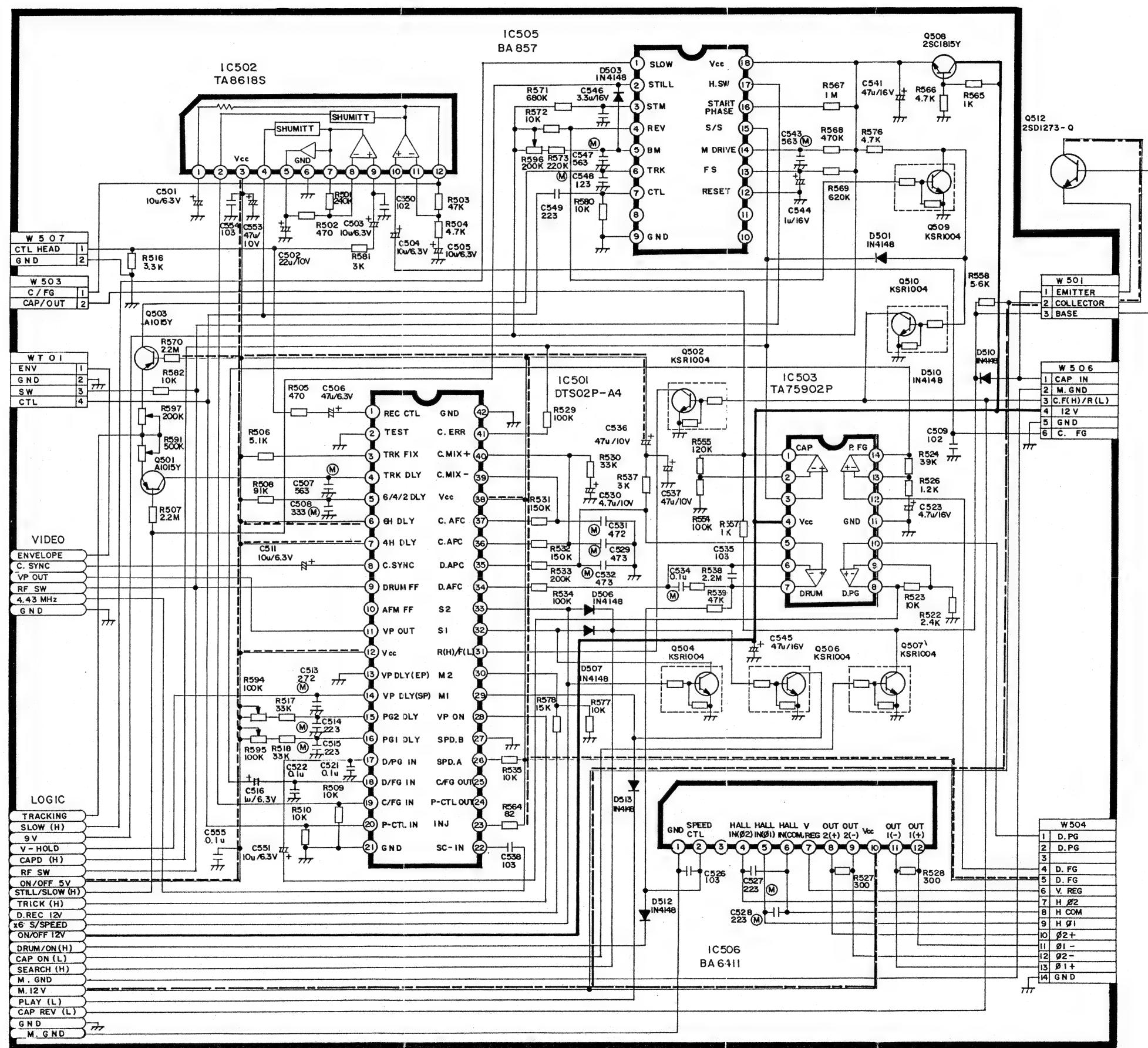


### 5-3. VIDEO CIRCUIT DIAGRAM

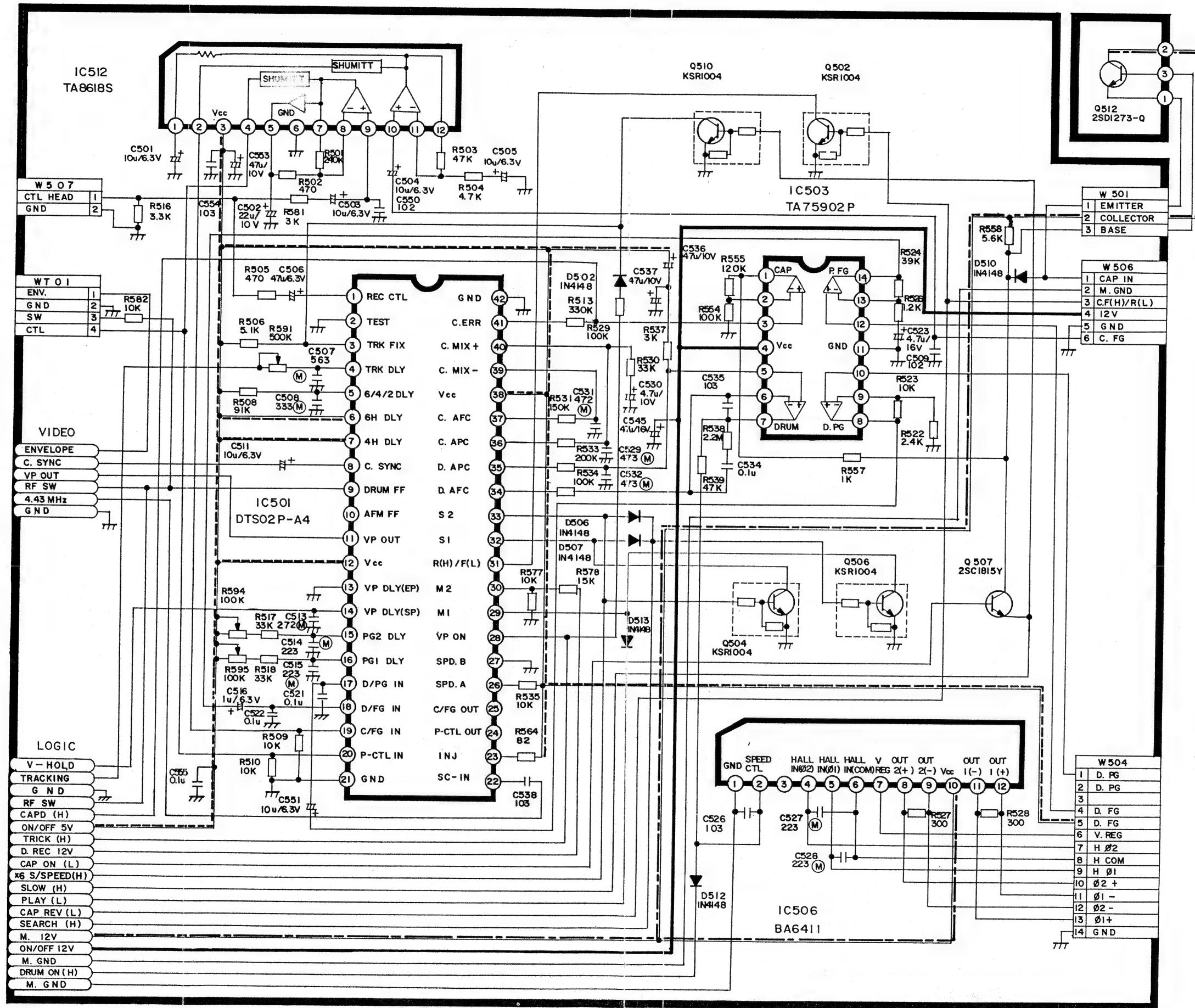




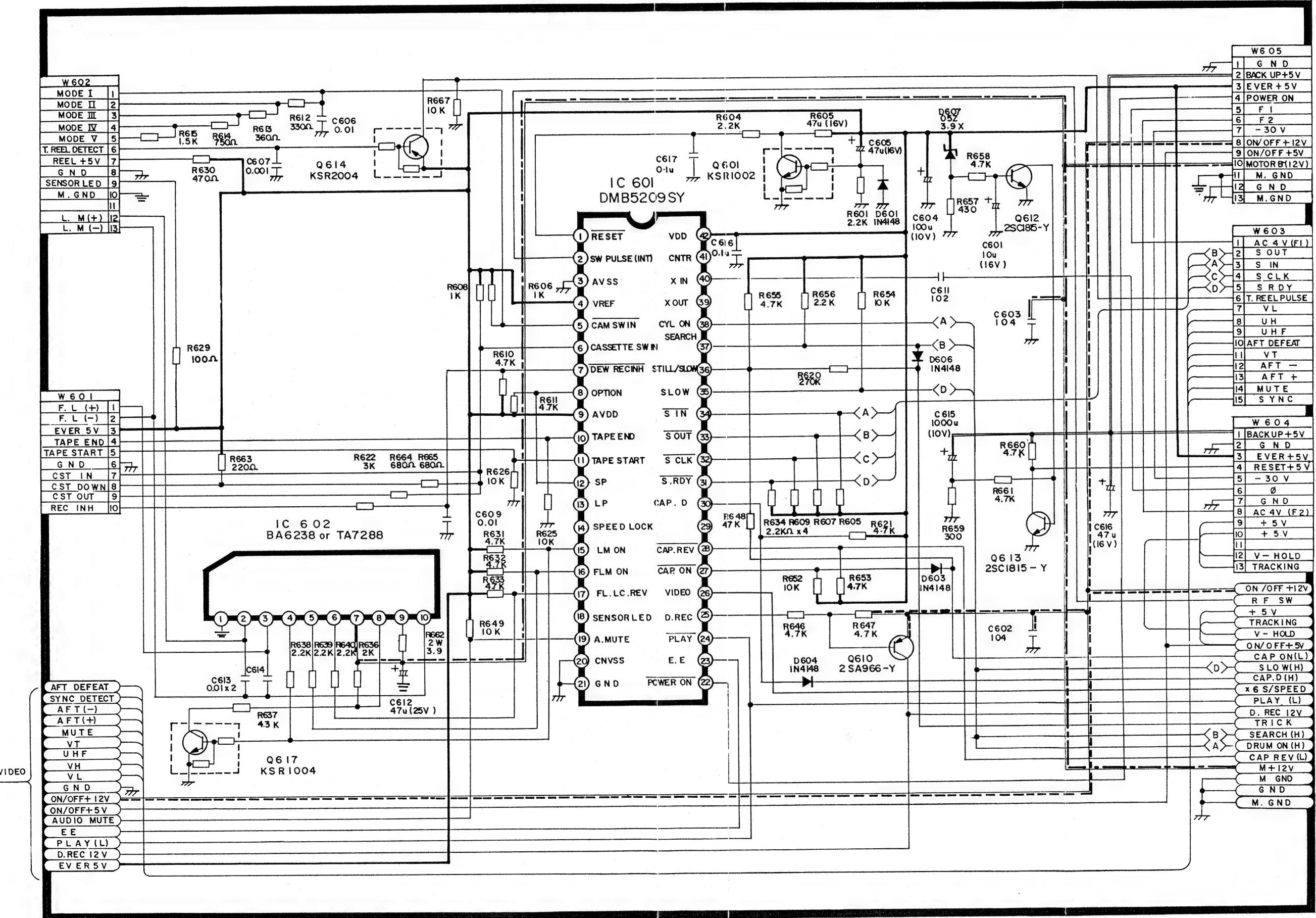
## **5-4. SERVO CIRCUIT DIAGRAM**



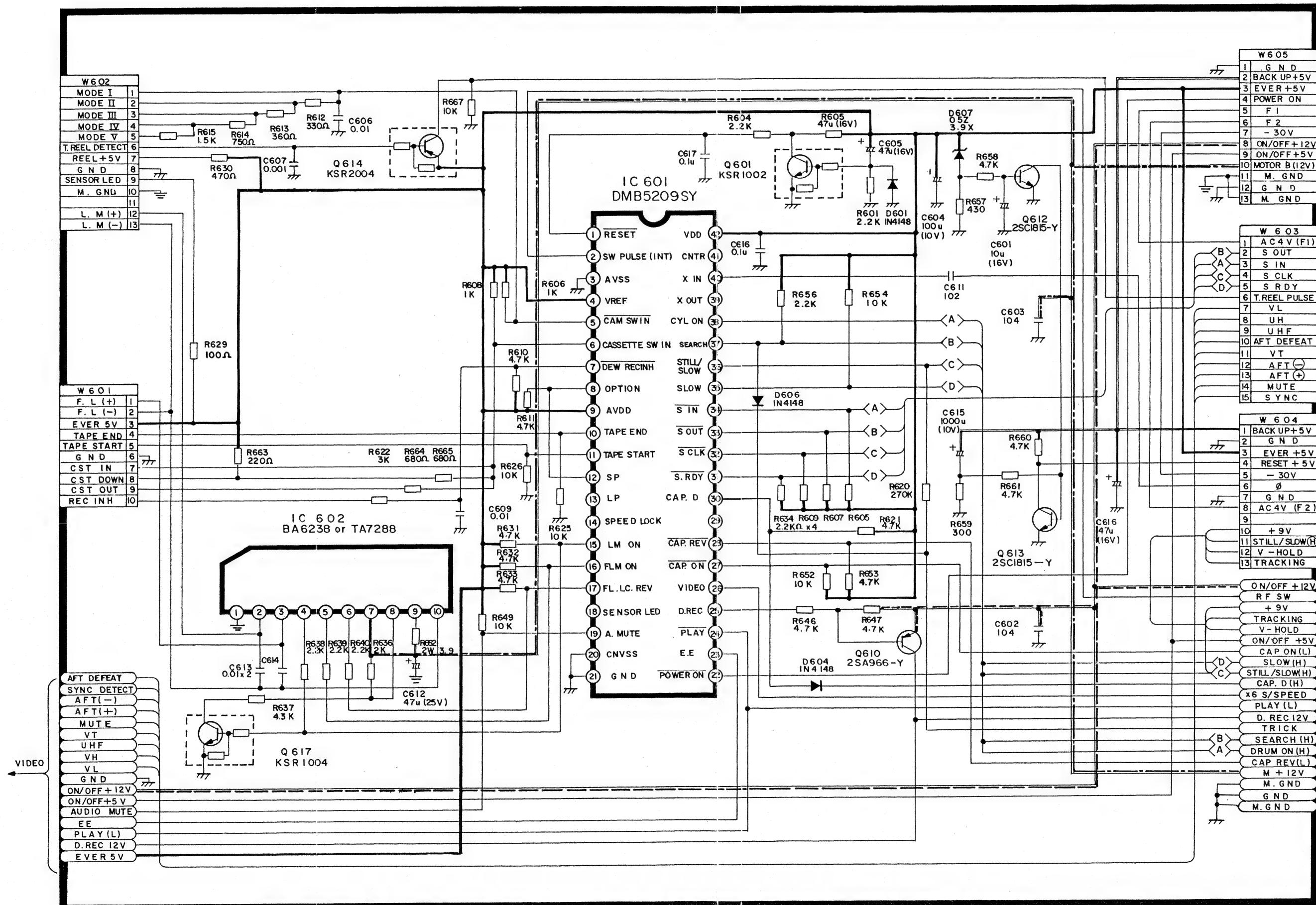
## 5-5. SERVO CIRCUIT DIAGRAM



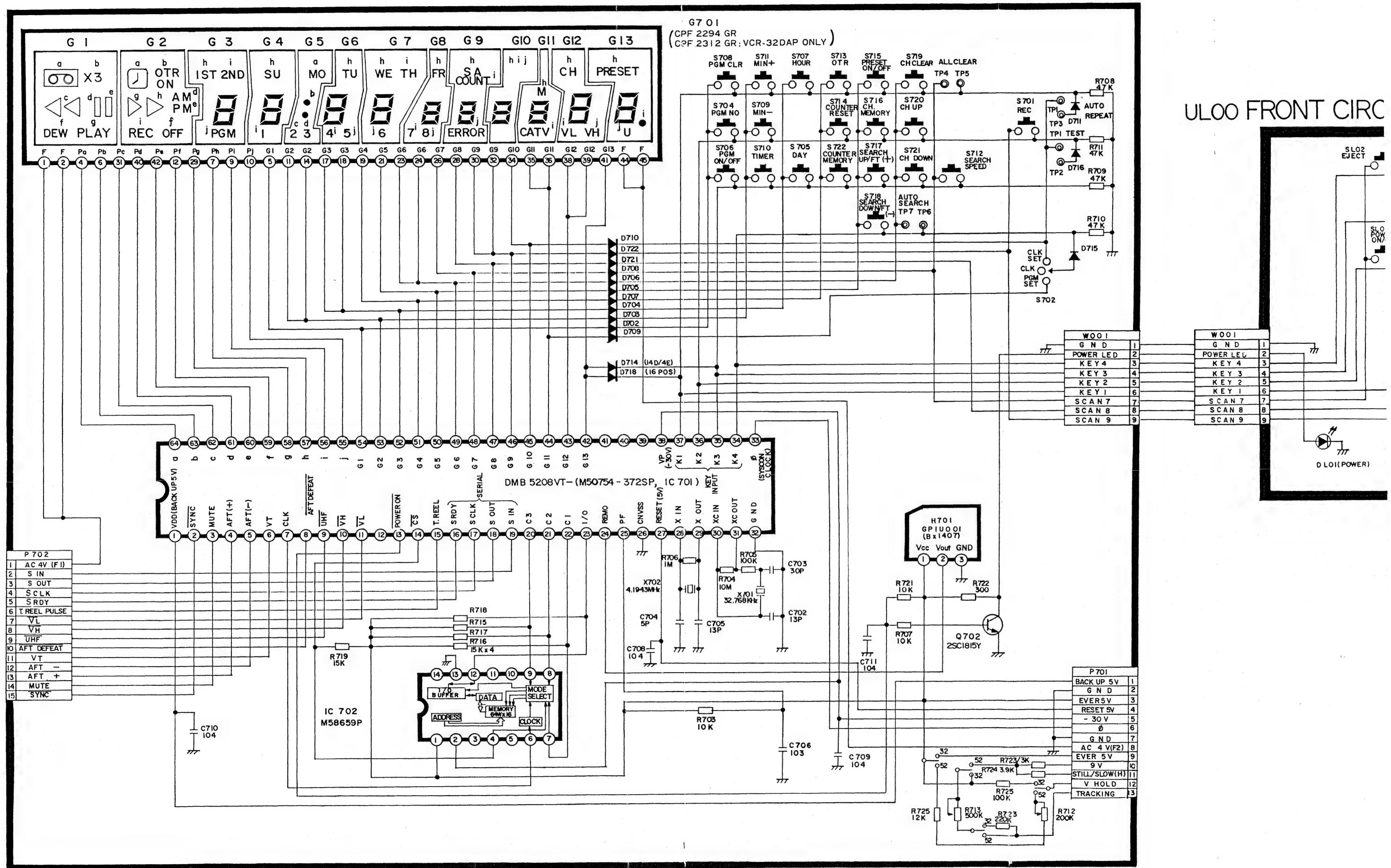
## 5-6. LOGIC CIRCUIT DIAGRAM

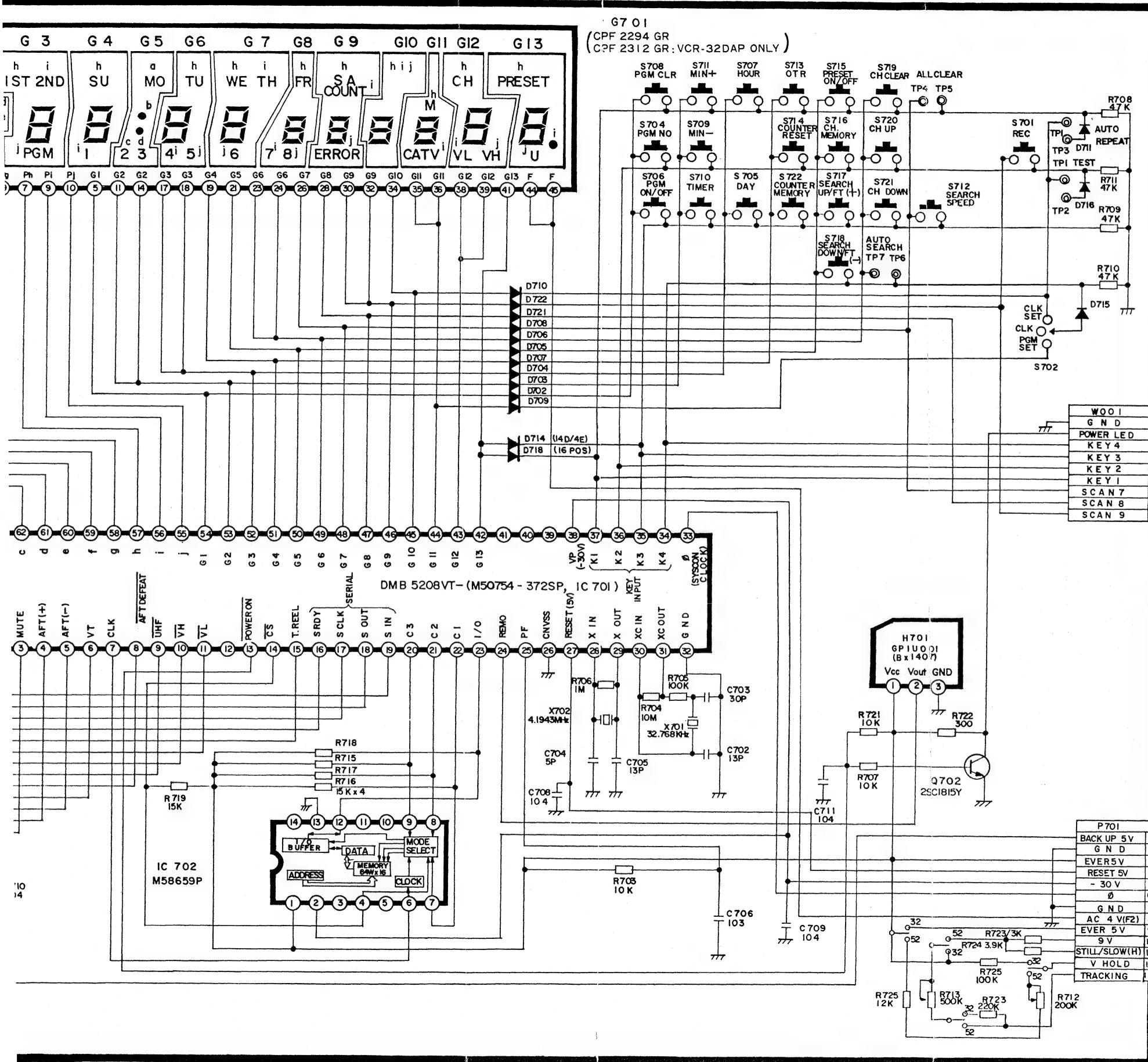


## 5-7. LOGIC CIRCUIT DIAGRAM

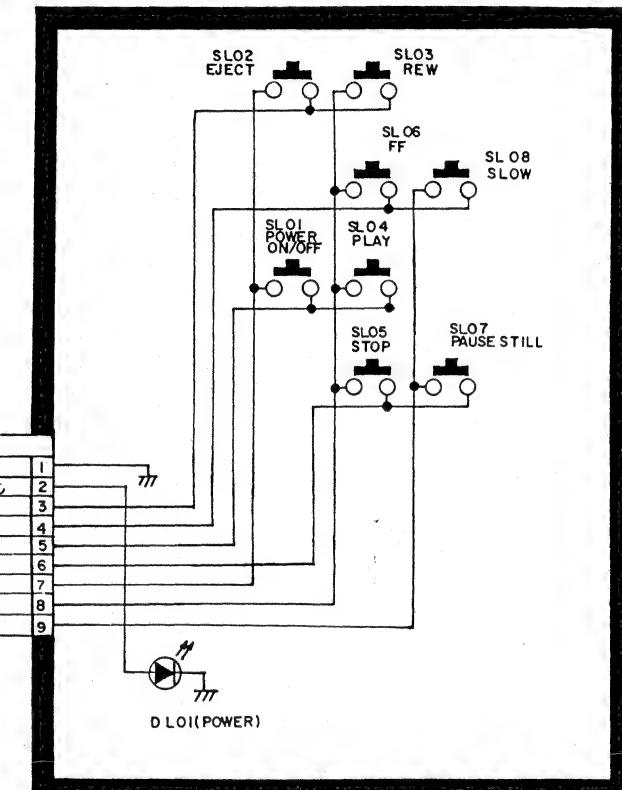


## 5-8. TIMER CIRCUIT DIAGRAM

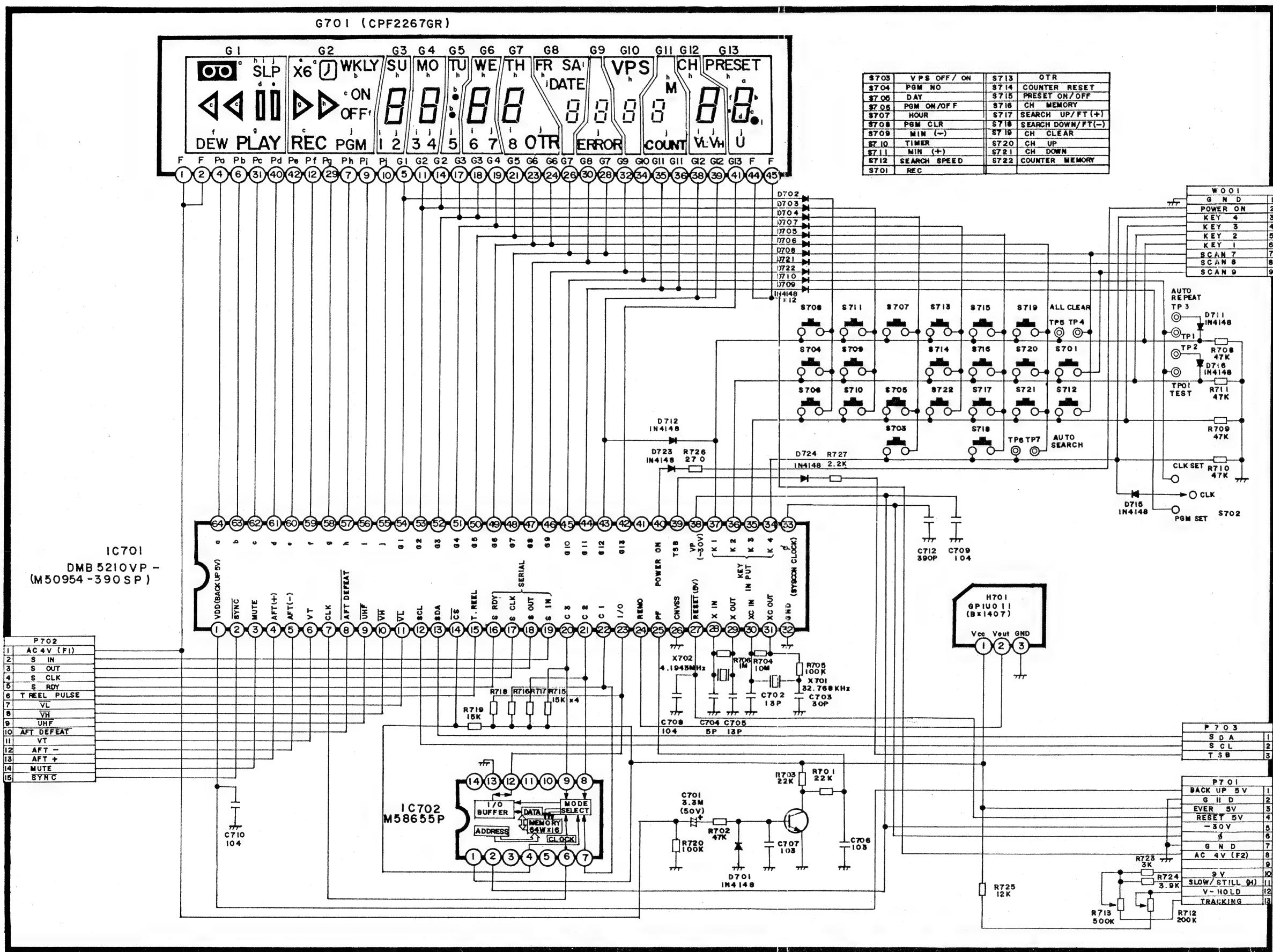




ULOO FRONT CIRCUIT DIAGRAM



## 5-9. TIMER & VPS CIRCUIT DIAGRAM





## 5-10. POWER CIRCUIT DIAGRAM

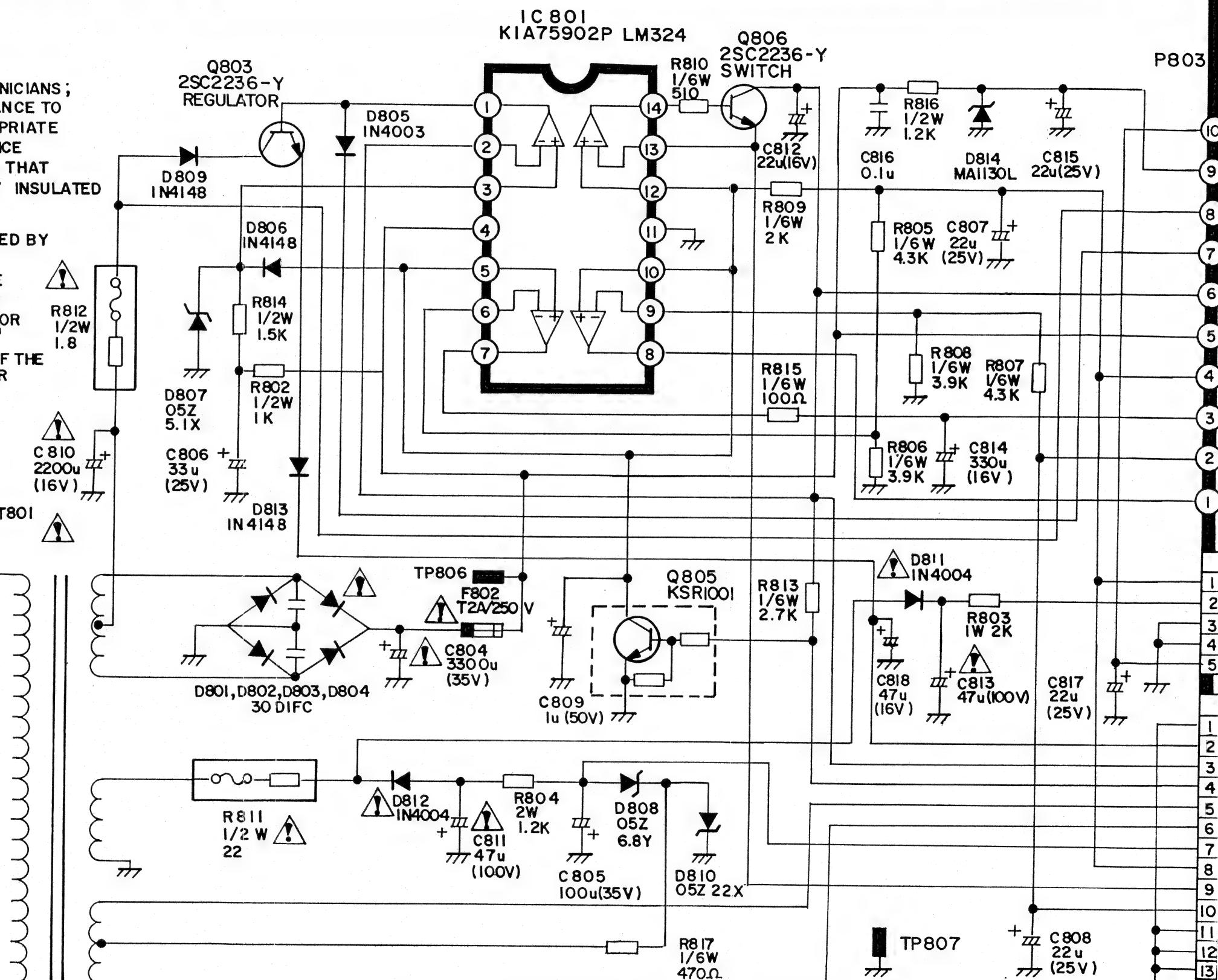
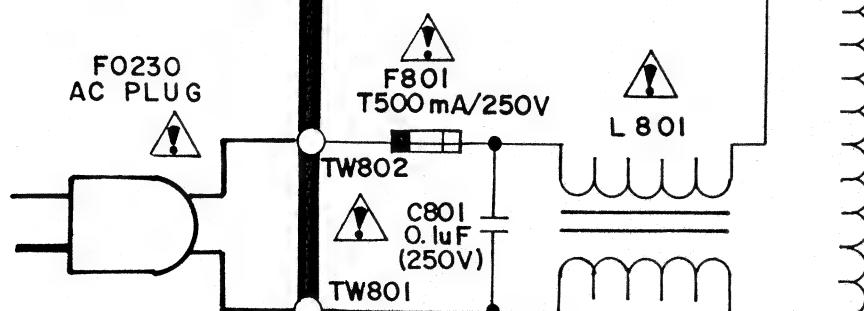
### AN EXPLANATION OF THE SYMBOL

Marking Required	Symbol or Abbreviation
Voltage	V
Hertz	Hz
Amperes	A
Watts	W
Fuse	

CAUTION TO THE SERVICE TECHNICIANS;  
BEFORE RETURNING THE APPLIANCE TO  
THE CUSTOMER TO MAKE APPROPRIATE  
LEAKAGE CURRENT OR RESISTANCE  
MEASUREMENTS TO DETERMINE THAT  
EXPOSED PARTS ARE PROPERLY INSULATED  
FROM THE SUPPLY CIRCUIT.

CAUTION: THE PARTS IDENTIFIED BY  
SHADING AND  MARK ARE  
CRITICAL FOR SAFETY REPLACE  
ONLY WITH TYPE IDENTICAL TO  
THOSE IN THE ORIGINAL CIRCUIT OR  
SPECIFIED IN THE "PARTLIST"  
DO NOT DEGRADE THE SAFETY OF THE  
APPLIANCE THROUGH IMPROPER  
SERVICING.

F0230	T801	MODEL
220 V 50Hz	DPW - 52DAD	VCR-52DAD VCR-32DAD VCR-52VAD VCR-32DAP (QB)
240V 50Hz	DPW - 52DAP	VCR-32DAP VCR-32DAP (AB)



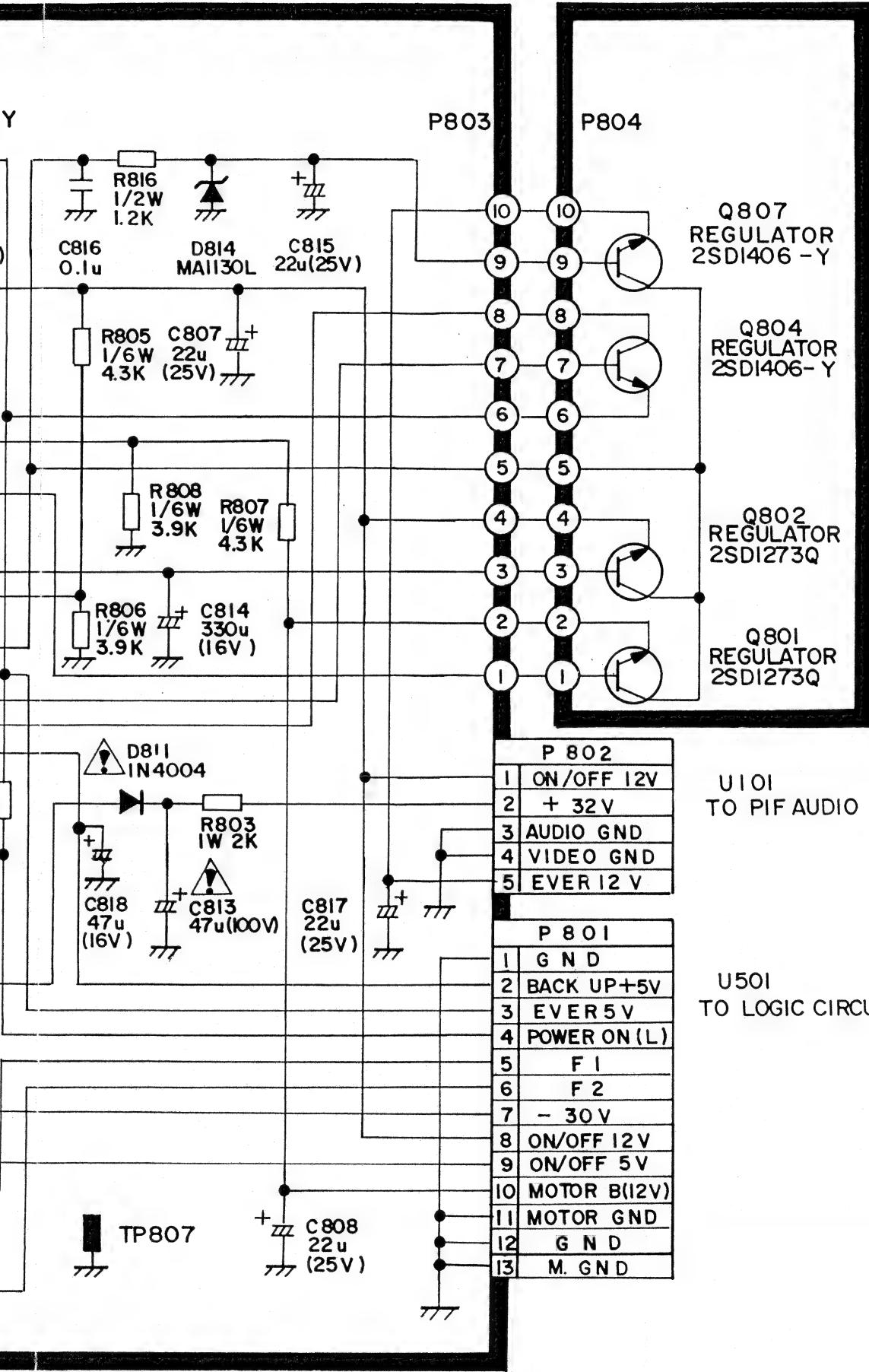
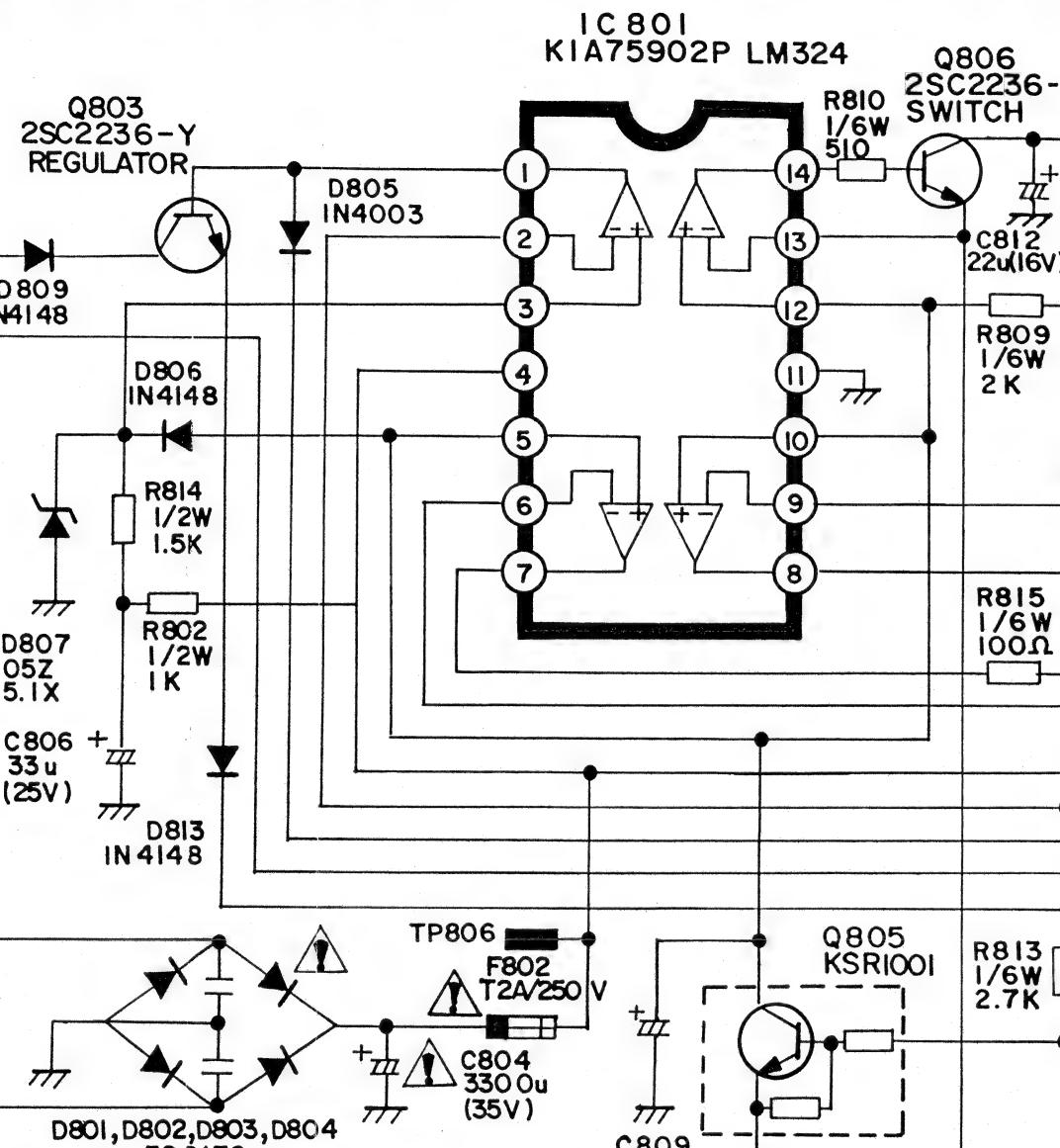
**U803  
POWER TRANSISTOR**

SERVICE TECHNICIANS;  
DO NOT CONNECT THE APPLIANCE TO  
MADE APPROPRIATE  
OR RESISTANCE  
TO DETERMINE THAT  
RE PROPERLY INSULATED  
CIRCUIT.

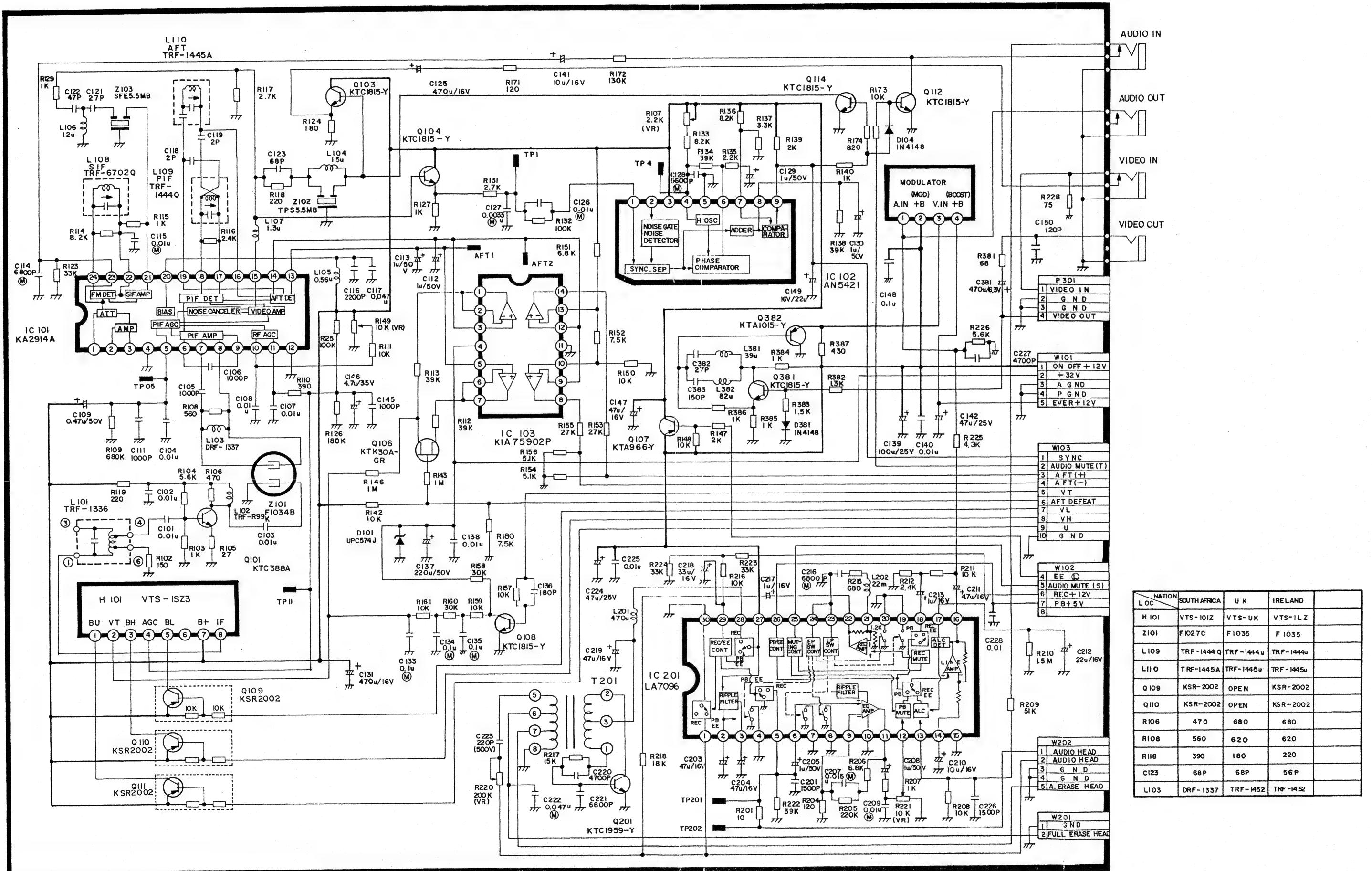
PARTS IDENTIFIED BY  
MARK ARE  
NOT RECOMMENDED  
REPLACE  
IDENTICAL TO  
ORIGINAL CIRCUIT OR  
" PARTLIST"  
THE SAFETY OF THE  
HIGH IMPROPER

ODEL  
R-52DAD  
R-32DAD  
R-52VAD  
R-32DAP  
(QB)  
R-32DAP  
R-32DAP  
(AB)

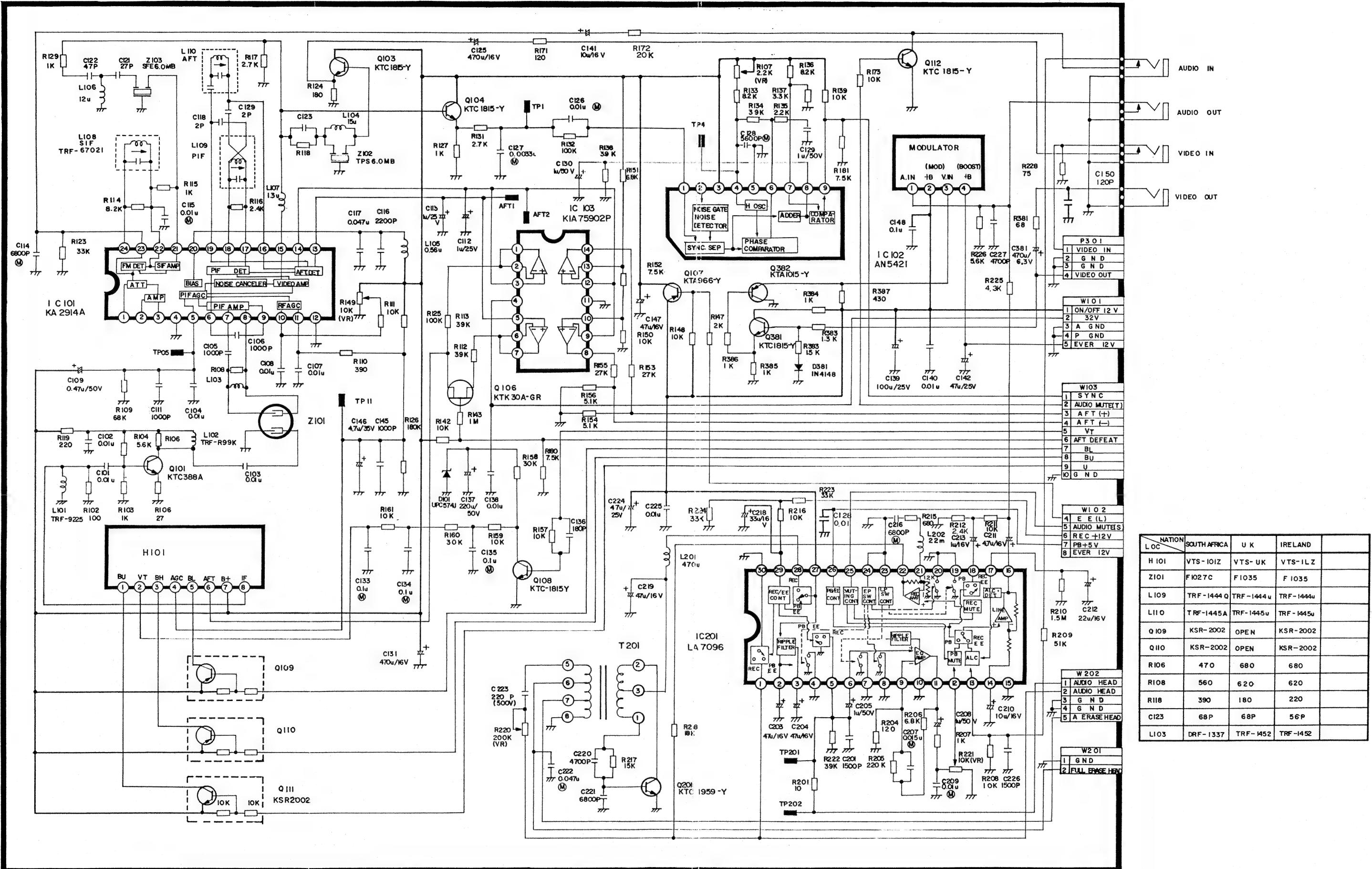
801



## 5-11. PIF & AUDIO CIRCUIT DIAGRAM

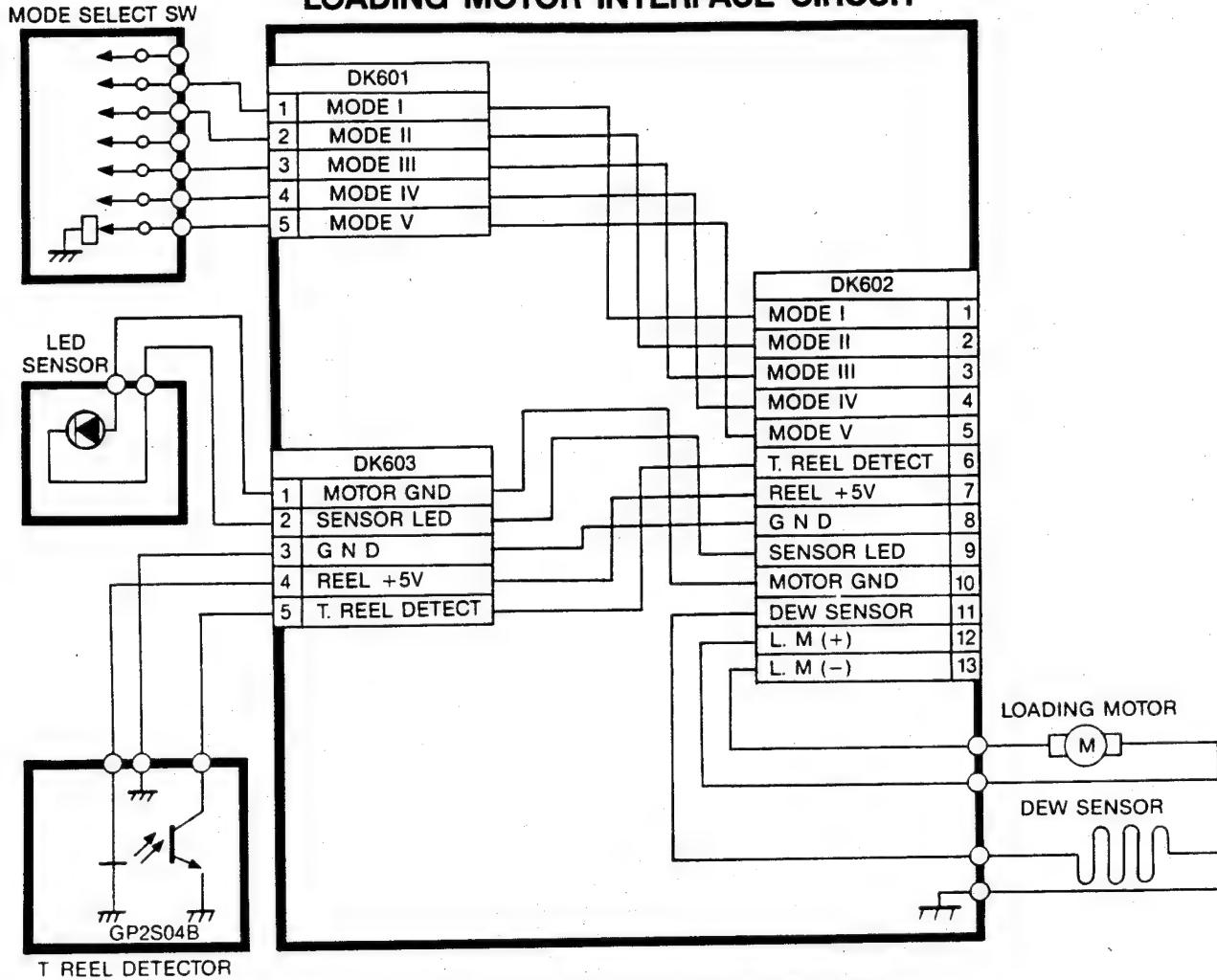


## 5-12. PIF & AUDIO CIRCUIT DIAGRAM

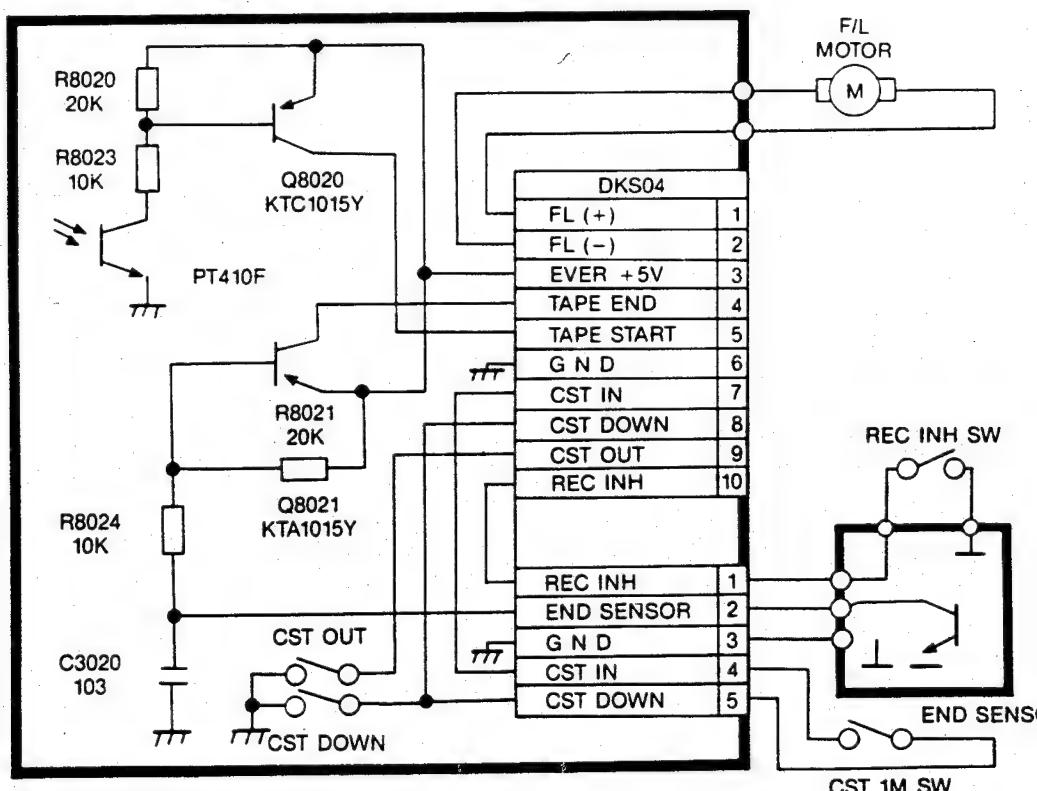


## 5-13. INTERCONNECTION SCHEMATIC DIAGRAM

### LOADING MOTOR INTERFACE CIRCUIT



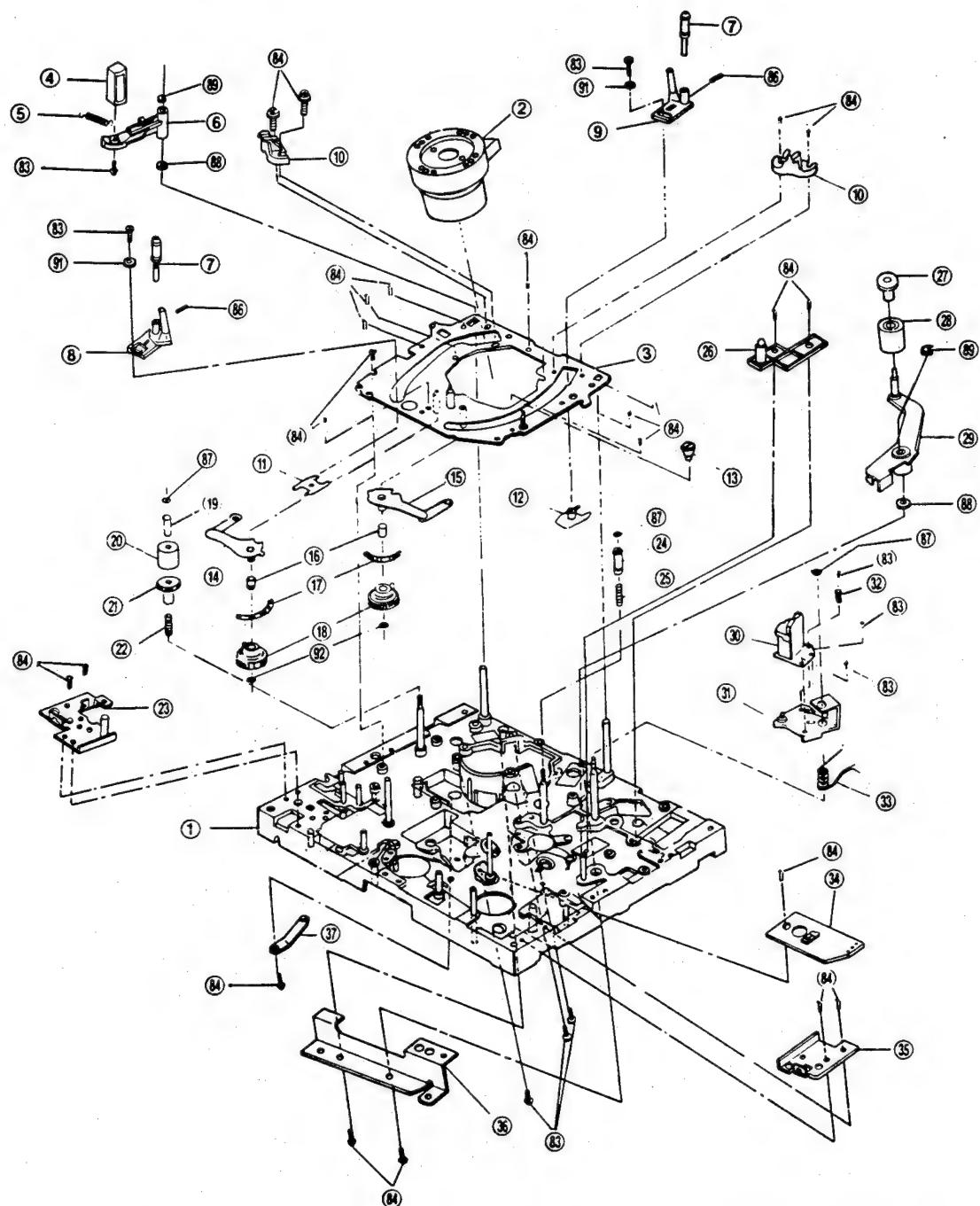
### F/L MOTOR INTERFACE CIRCUIT



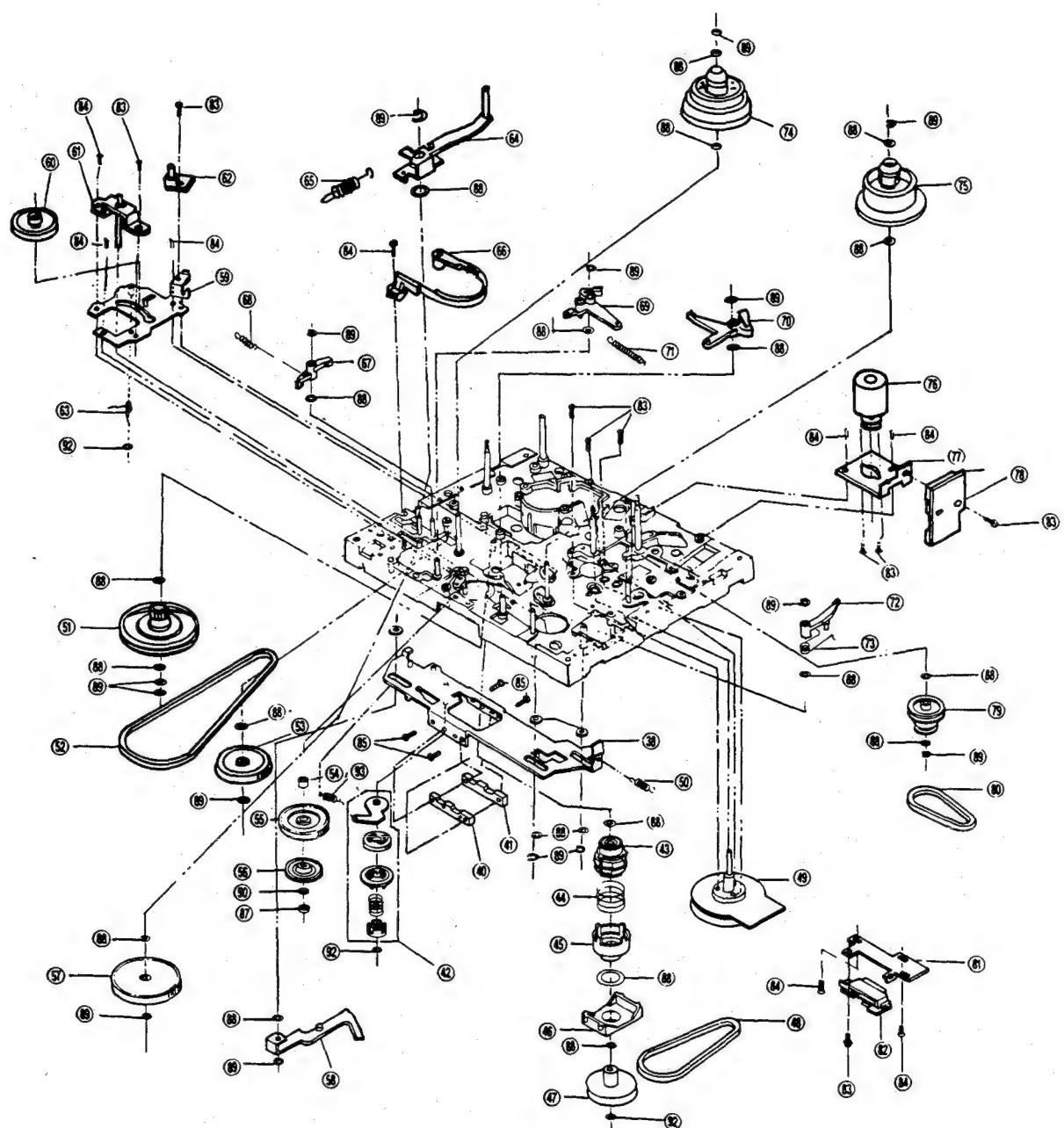
# SECTION 6. EXPLODED VIEWS AND PARTS LIST

## 6-1. EXPLODED VIEWS

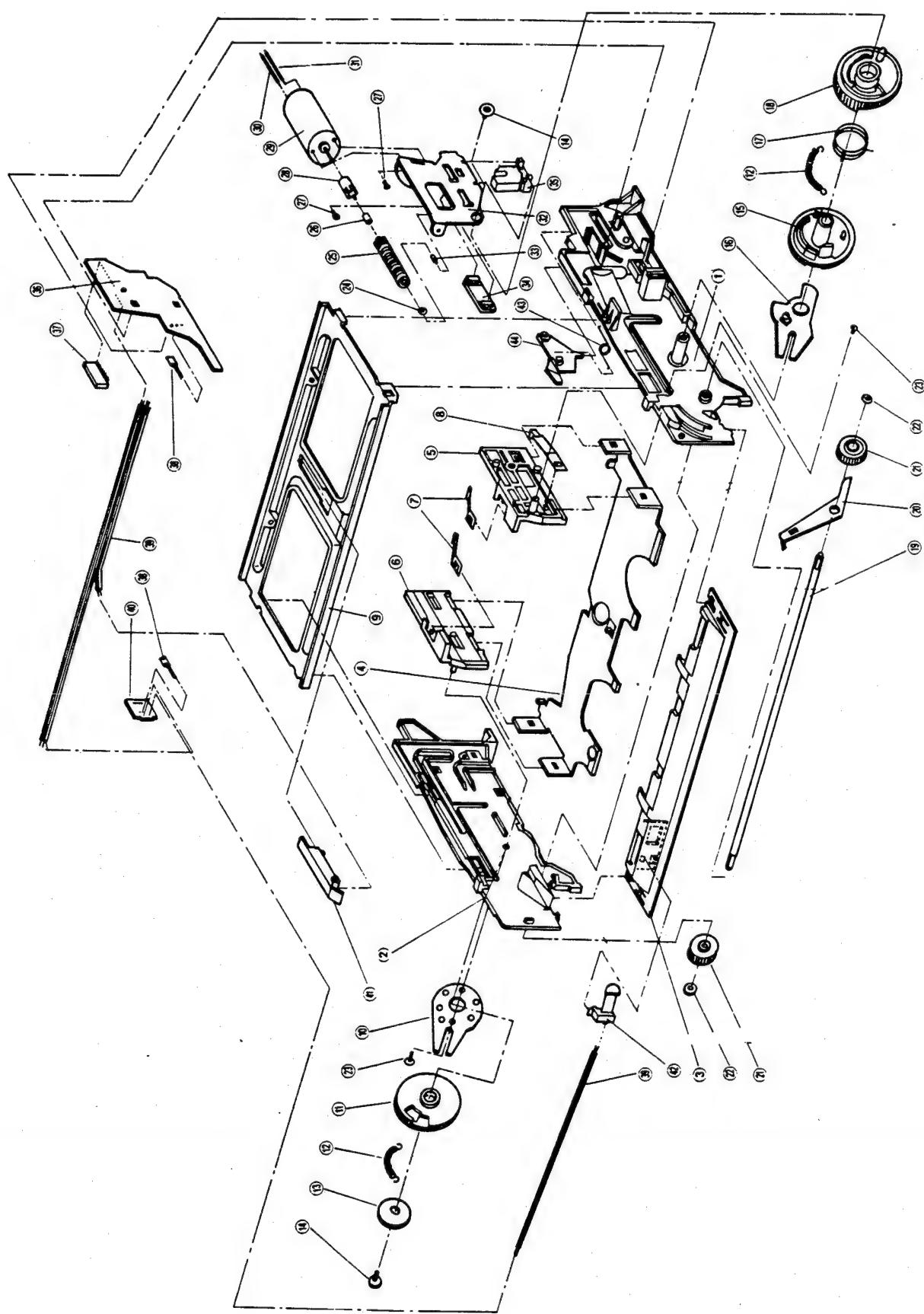
### 6-1-1. EXPLODED VIEW OF DECK ASSEMBLY



1	97SA379200	MAIN BASE SUB AS	14	97SA501500	L LOADING LEVER AS	27	97S0420400	PINCH ROLLER CAP
2	97SA217900	DRUM TOTAL AS	15	97SA501700	R LOADING LEVER AS	28	97SA446500	PINCH ROLLER AS
3	97SA446800	PLATE SLIDE AS	16	97S2303600	LOADING GEAR HOLDER	29	97SA448200	PINCH LEVER AS
4	97SA8003200	FE HEAD	17	97S3005300	LOADING GEAR SPG	30	97SA450300	AC HEAD PCB AS
5	97S3014100	FE HEAD HOLDER SPG	18	97SA501400	LOADING GEAR AS	31	97SA450400	AC HEAD ADJUST PLT AS
6	97S2313600	FE HEAD HOLDER	19	97S2803000	IMPEDANCE ROUER SPACER	32	97S3007700	AC HEAD ADJUST SPG
7	97SA504600	GUIDE ROLLER AS	20	97S3705100	IMPEDANCE ROLLER	33	97S3013500	AC HEAD GUIDE SPG
8	97SA504400	S POLE BASE AS	21	97S1401600	LIMITER WASHER	34	97PA382400	T REEL PCB AS
9	97SA504500	T POLE BASE AS	22	97S3014200	IMPEDANCE ADJUST SPG	35	97S2413800	MAIN BRKT
10	97S5701300	V BLOCK	23	97SA380700	CST GUIDE BRKT AS	36	97S2413900	MAIN BRKT B
11	97SA446800	S SPG POLE BASE AS	24	97S2802500	TAPE GUIDE SPACER	37	97SA381200	SLIDING CONTACT AS
12	97SA447100	T SPG POLE BASE AS	25	97S3013600	GUIDE ADJUST SPG			
13	97SA404200	ADJUST CAP	26	97S2413100	CST PROP BRKT			

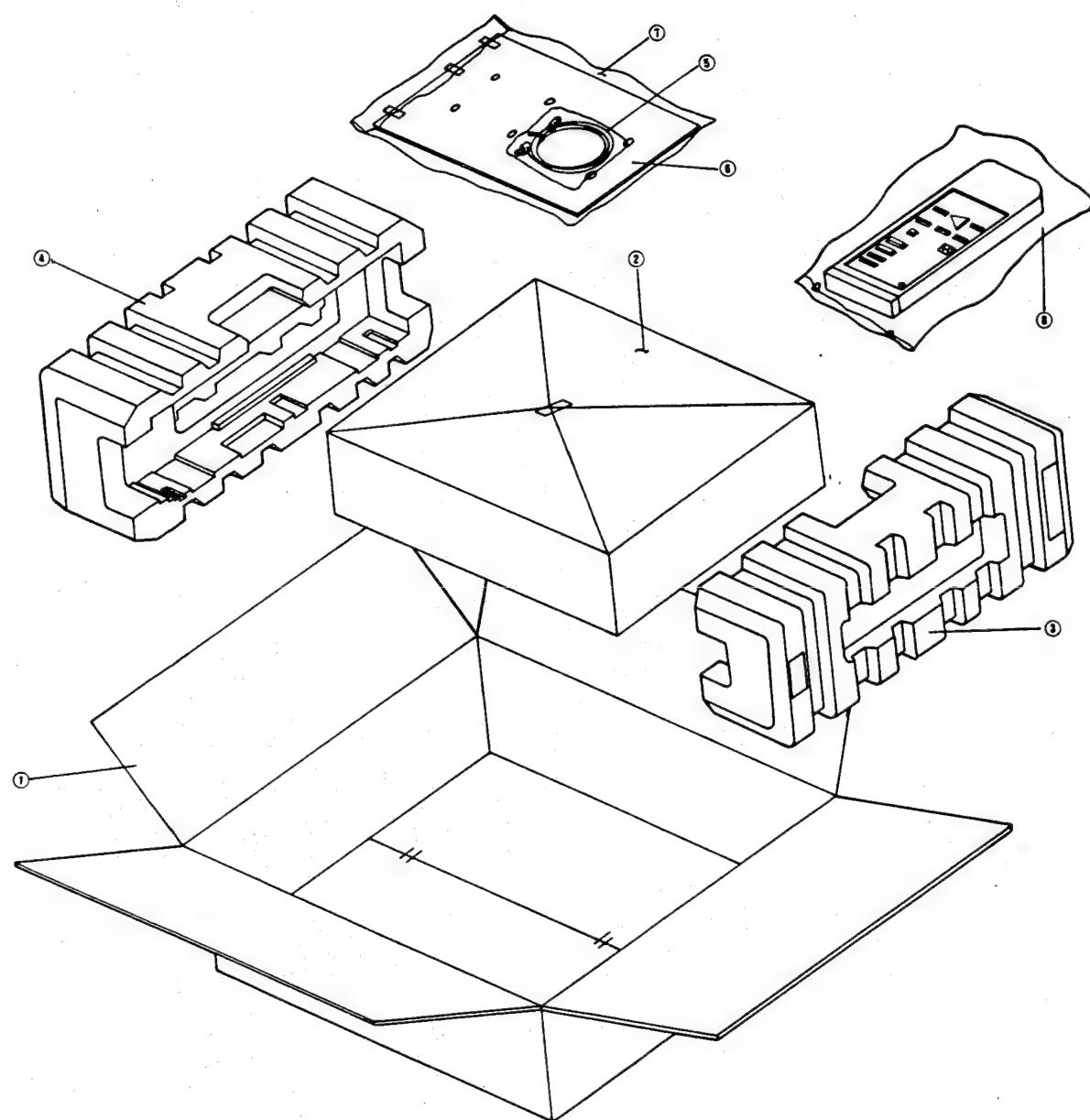


**6-1-2. EXPLODED VIEW OF FRONT LOADING ASSEMBLY**

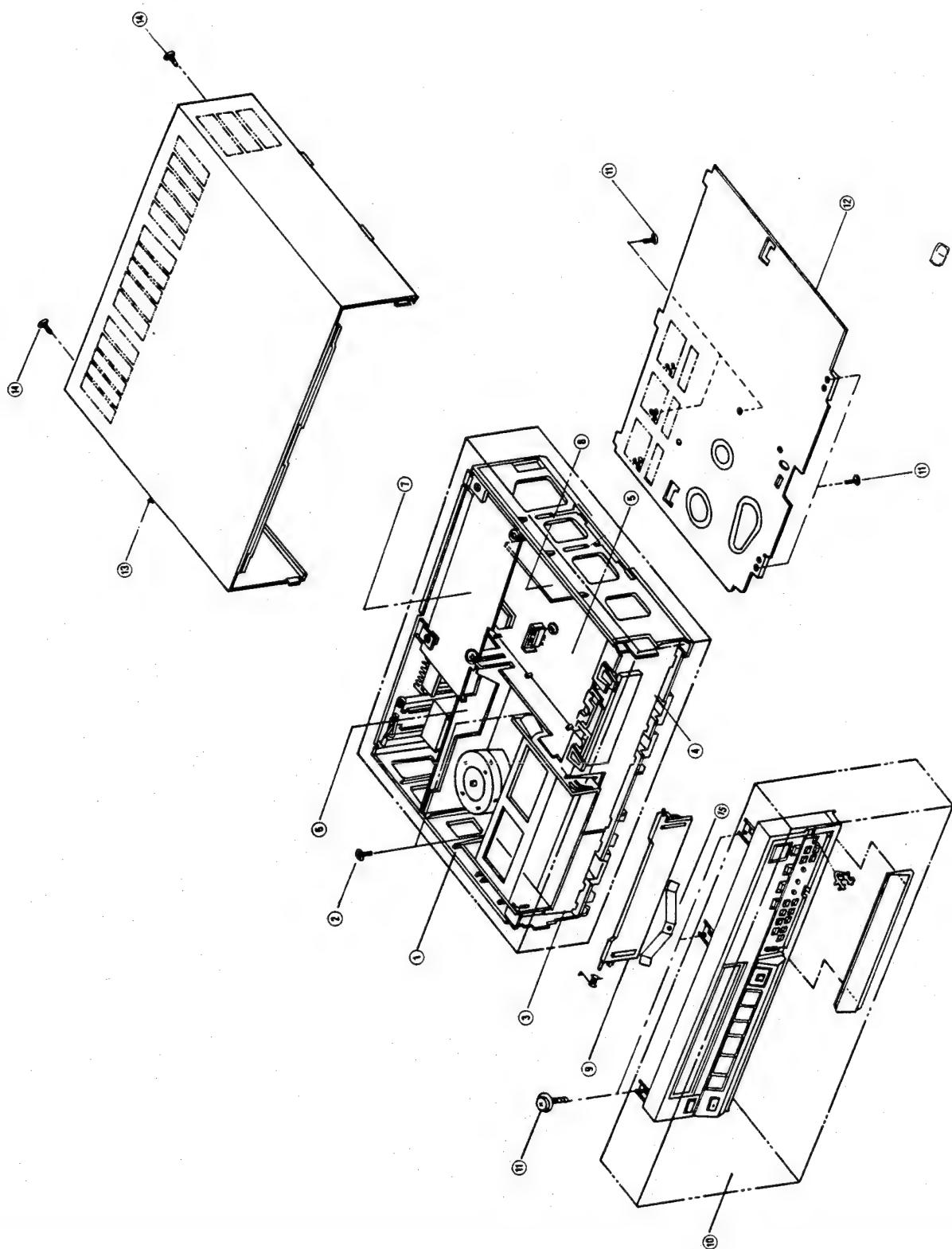


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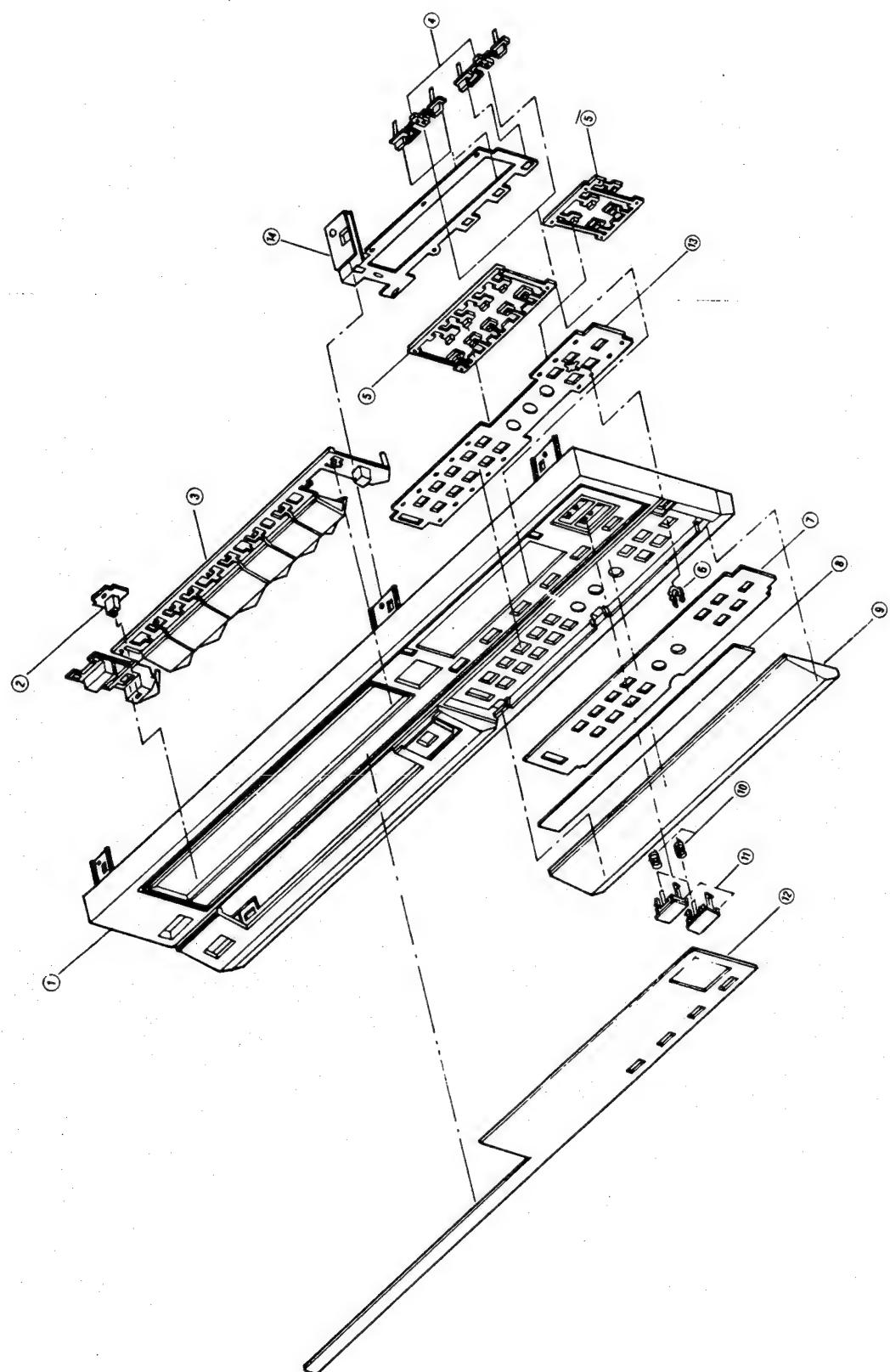
**6-1-3. EXPLODED VIEW OF PACKING PART**



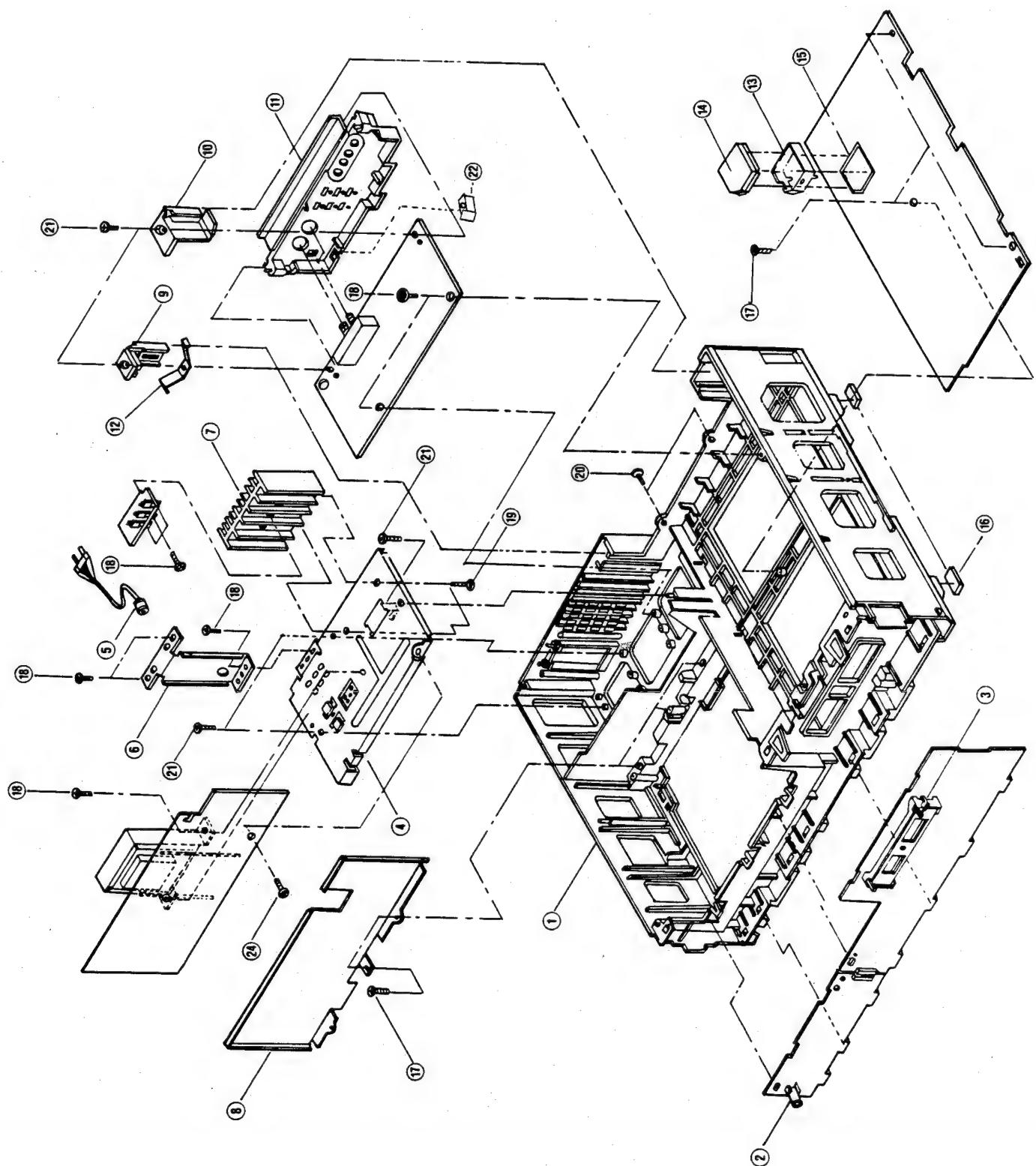
**6-1-4. EXPLODED VIEW OF OVERALL SET**



**6-1-5. EXPLODED VIEW OF FRONT PANEL**



### **6-1-6. EXPLODED VIEW OF MAIN CHASSIS**



## 6-2. PARTS LIST

### 6-2-1. PARTS LIST OF DECK MECHANISM

NO.	STOCK NUMBER	PART NAME
1	97SA379200	MAIN BASE SUB AS
2	97SA217900	DRUM TOTAL AS
3	97SA446800	PALTE SLIDE AS
4	97S8003200	FE HEAD
5	97S3014100	FE HEAD HOLDER SPG
6	97S2313600	FE HEAD HOLDER
7	97SA504600	GUIDE ROLLER AS
8	97SA504400	S POLE BASE AS
9	97SA504500	T POLE BASE AS
10	97S5701300	V BLOCK
11	97SA446900	S SPG POLE BASE AS
12	97SA447100	T SPG POLE BASE AB
13	97SA404200	ADJUST CAP
14	97SA501500	L LOADING LEVER AS
15	97SA501700	R LOADING LEVER AS
16	97S2303600	LOADING GEAR HOLDER
17	97S3005300	LOADING GEAR SPG
18	97SA501400	LOADING GEAR AS
19	97S280300	IMPEDANCE ROLLER SPACER
20	97S3705100	IMPEDANCE ROLLER
21	97S1401600	LIMITER WASHER
22	97S3014200	IMPEDANCE ADJUST SPG
23	97SA380700	CST GUIDE BRKT AS
24	97S2802500	TAPE GUIDE SPACER
25	97S3013600	GUIDE ADJUST SPG
26	97S2413100	CST PROP BRKT
27	97S0420400	PINCH ROLLER CAP
28	97SA446500	PINCH ROLLER AS
29	97SA448200	PINCH LEVER AS
30	97PA450300	AC HEAD PCB AS
31	97SA450400	AC HEAD ADJUST PLT AS
32	97S300700	AC HEAD ADJUST SPG
33	97S3013500	AC HEAD GUIDE SPG
34	97SA382400	T REEL PCB AS
35	97S2413800	MAIN BRKT-R
36	97S2413800	MAIN BRKT-B
37	97SA381200	SLIDING CONTACT AS
38	97SA450500	CONNECT PLATE AS
39	97S5900400	GUIDE COLLAR B
40	97S2704300	DRIVE CAM A
41	97S2704400	DRIVE CAM B
42	97SA450600	RETURN LEVER AS
43	97SA387600	REEL PULLEY R AS
44	97S3013900	CAM PLATE SPG
45	97S2904000	PRESSING WHEEL
46	97S0915600	CAM PLATE
47	97S3705000	REEL DRIVE PULLEY

NO.	STOCK NUMBER	PART NAME
48	97S5501400	REEL DRIVE BELT
49	97S8102300	CAPSTAN MOTOR
50	97S3006701	PINCH ROLLER SPG
51	97S3702300	PULLEY A
52	97S5501300	CAM DRIVE BELT
53	97S2702200	GEAR A
54	97S2802800	GEAR B SPACER
55	97S2702100	GEAR B
56	97S0406900	GEAR B COVER
57	97S2705600	CAM GEAR
58	97SA381600	RACK GEAR AS
59	97SA507000	IDLER PLATE AS
60	97SA507200	IDLER AS
61	97SA507100	RELL DRIVE BRKT AS
62	97PA507300	LED PCB AS
63	97S3005700	IDLER ADJUST SPG
64	97SA382600	TENSION LEVER AS
65	97S3014500	TENSION SPG
66	97SA382700	BAND BRAKE AS
67	97SA380800	S SUB BRAKE AS
68	97S3014400	S SUB BRAKE SPG
69	97SA452700	MAIN BRAKE S AS
70	97SA452800	MAIN BRAKE T AS
71	97S3015900	MAIN BRAKE SPG
72	97SA380900	T SUB BRAKE AS
73	97S3014300	T SUB BRAKE SPG
74	97SA382200	S REEL TABLE AS
75	97SA382200	T REEL TABLE AS
76	97SA429600	LC MOTOR AS
77	97S2413400	LC MOTOR BRKT
78	97PA449300	LC MOTOR PCB AS
79	97S3702500	PULLEY B
80	97S5500600	LC BELT
81	97S2413500	CAM SW BRKT
82	5S30407011	SLIDE SW
83		SCREW MACHINE
84		SCREW TAPTITE
85		SCREW TAPPING
86		SCREW SET
87		NUT HEX
88		POLY SLIDER
89		RING G
90		WASHER SPG
91		WASHER PLAIN
92		POLY WASHER
93		RETUM LVR SPG
94		

## 6-2-2. PARTS LIST OF FRONT LOADING ASSEMBLY

NO.	STOCK NUMBER	PART NAME
1	97S2414300	GUIDE BRKT-R
2	97S2414200	GUIDE BRKT-L
3	97S0916400	GUIDE PLATE
4	97S2314500	CST HOLDER
5	97S5201100	SLIDER-R
6	97S5201000	SLIDER-L
7	97S3015500	CST UPPER SPG
8	98SA384700	RELEASE AS
9	97S0916300	TOP PLATE
10	97S2607200	LOADING LEVER-L
11	97S2704900	LOADING GEAR-L
12	97S3015100	LOADING SPRING
13	97S3106500	GEAR COVER
14	9728300611	TAPPING SCREW
15	97S2705000	LOADING GEAR-R
16	97S2607300	LOADING LEVER-R
17	97S3015200	WORM WHEEL SPRING
18	97S2904300	WORM WHEEL
19	97S3603800	CONNECT SHAFT
20	97S2607600	DOOR OPEN LEVER
21	97S2705100	CONNECT GEAR
22	97S3106600	STOP RING

NO.	STOCK NUMBER	PART NAME
23	7128200611	TAPPING SCREW
24	97S3904900	POLY SLIDER
25	97S2705200	WORM GEAR
26	97S4300500	COUPLING RUB
27	7051300411	MACHINE SCREW
28	97S7300100	COUPLER
29	97S8102000	F/L MOTOR
30	WP-7WH3203	LEAD WIRE
31	WP-7RD3203	LEAD WIRE
32	97S2414400	MOTOR BRACKET
33	97S3603900	WORM SHAFT
34	97S2607700	SWITCHING LEVER
35	5SD0202053	MODE SWITCH
36	97P6518000	F L MOTOR PCB
37	97P6229500	CONNECT WAFER
38	TPT410F000	PHOTO TR
39	97P8800600	CONNECT WIRE
40	97P6518100	END SENSOR PCB
41	5SD0101052	CST IN SWITCH
42	5SD0101051	RECOR SAFETY SW
43	97S3015300	CST CAP OPENER SPG
44	97S2607400	CST CAP OPENER

## 6-2-3. PARTS LIST OF PACKING PART

### ■ VCR-52DAD

NO.	STOCK NUMBER	PART NAME
1	97P5009630	BOX CARTON
2	97P4801300	POLY BAG
3	97P4902800	PAD RIGHT
4	97P4902700	PAD LEFT
5	85401050BK	CABLE AS (PAL)
6	97P9505900	OWNERS MANUAL
7	97P4800300	COVER ACCESSORY
8	97PA206620	REMO HANDSET AS

### ■ VCR-32DAD

NO.	STOCK NUMBER	PART NAME
1	97P5009640	BOX CARTON
2	97P4801300	POLY BAG
3	97P4902800	PAD RIGHT
4	97P4902700	PAD LEFT
5	85401050BK	CABLE AS (PAL)
6	97P9506000	OWNERS MANUAL
7	97P4800300	COVER ACCESSORY
8	97PA206620	REMO HANDSET AS

■ VCR-32DAP

NO.	STOCK NUMBER	PART NAME
1	97P5009650	BOX CARTON
2	97P4801300	POLY BAG
3	97P4902800	PAD RIGHT
4	97P4902700	PAD LEFT
5	85401050BK	CABLE AS (PAL)
6	97P9506020	OWNERS MANUAL
7	97P4800300	COVER ACCESSORY
8	97PA206620	REMO HANDSET AS

■ VCR-32DAP (AB) (Brand: AIM)

NO.	STOCK NUMBER	PART NAME
1	97P5009655	BOX CARTON
2	97P4801300	POLY BAG
3	97P4902800	PAD RIGHT
4	97P4902700	PAD LEFT
5	85401050BK	CABLE AS (PAL)
6	97P9506025	OWNERS MANUAL
7	97P4800300	COVER ACCESSORY
8	97PA206620	REMO HANDSET AS

■ VCR-32DAP (QB)

NO.	STOCK NUMBER	PART NAME
1	97P5009650	BOX CARTON
2	97P4801300	POLY BAG
3	97P4902800	PAD RIGHT
4	97P4902700	PAD LEFT
5	85401050BK	CABLE AS (PAL)
6	97P9506020	OWNERS MANUAL
7	97P4800300	COVER ACCESSORY
8	97PA206620	REMO HANDSET AS

■ VCR-52VAD

NO.	STOCK NUMBER	PART NAME
1	97P5009660	BOX CARTON
2	97P4801300	POLY BAG
3	97P4902800	PAD RIGHT
4	97P4902700	PAD LEFT
5	85401050BK	CABLE AS (PAL)
6	97P9506100	OWNERS MANUAL
7	97P4800300	COVER ACCESSORY
8	97PA206620	REMO HANDSET AS

6-2-4. PARTS LIST OF OVERALL SET

■ VCR-32DAP

NO.	STOCK NUMBER	PART NAME
1	97PA105002	CHASSIS MAIN AS
2	7278300811	SCREW TAPTITE
3	97P6518120	PCB FRONT
4	97P6518030	PCB TIMER
5	97P6518020	PCB MAIN
6	97P6518040	PCB POWER
7	97P6518050	PCB PIF-AUDIO

NO.	STOCK NUMBER	PART NAME
8	97P3015400	SPRING F/L DOOR
9	97P1801702	DOOR F/L
10	97PA105103	PANEL FRONT AS
11	7624300811	SCREW TAPPING
12	97P0421100	COVER BOTTOM
13	97P0421200	COVER TOP
14	7123401212	SCREW TAPPING

■ VCR-32DAD

NO.	STOCK NUMBER	PART NAME
1	97PA105002	CHASSIS MAIN AS
2	7278300811	SCREW TAPTITE
3	97P6518120	PCB FRONT
4	97P6518030	PCB TIMER
5	97P6518020	PCB MAIN
6	97P6518040	PCB POWER
7	97P6518050	PCB PIF-AUDIO

NO.	STOCK NUMBER	PART NAME
8	97P3015400	SPRING F/L DOOR
9	97P1801703	DOOR F/L
10	97PA105104	PANEL FRONT AS
11	7624300811	SCREW TAPPING
12	97P0421100	COVER BOTTOM
13	97P0421201	COVER TOP
14	7123401212	SCREW TAPPING

■ VCR-32DAP

NO.	STOCK NUMBER	PART NAME
1	97PA105002	CHASSIS MAIN AS
2	7278300811	SCREW TAPTITE
3	97P6518120	PCB FRONT
4	97P6518030	PCB TIMER
5	97P6518020	PCB MAIN
6	97P6518040	PCB POWER
7	97P6518050	PCB PIF-AUDIO

NO.	STOCK NUMBER	PART NAME
8	97P3015400	SPRING F/L DOOR
9	97P1801702	DOOR F/L
10	97PA105116	PANEL FRONT AS
11	7624300811	SCREW TAPPING
12	97P0421100	COVER BOTTOM
13	97P0421201	COVER TOP
14	7123401212	SCREW TAPPING

■ VCR-32DAP (AB)

NO.	STOCK NUMBER	PART NAME
1	97PA105002	CHASSIS MAIN AS
2	7278300811	SCREW TAPTITE
3	97P6518120	PCB FRONT
4	97P6518030	PCB TIMER
5	97P6518020	PCB MAIN
6	97P6518040	PCB POWER
7	97P6518050	PCB PIF-AUDIO

NO.	STOCK NUMBER	PART NAME
8	97P3015400	SPRING F/L DOOR
9	97P1801702	DOOR F/L
10	97PA105128	PANEL FRONT AS
11	7624300811	SCREW TAPPING
12	97P0421100	COVER BOTTOM
13	97P0421201	COVER TOP
14	7123401212	SCREW TAPPING

■ VCR-32DAP (QB)

NO.	STOCK NUMBER	PART NAME
1	97PA105002	CHASSIS MAIN AS
2	7278300811	SCREW TAPTITE
3	97P6518120	PCB FRONT
4	97P6518030	PCB TIMER
5	97P6518020	PCB MAIN
6	97P6518040	PCB POWER
7	97P6518050	PCB PIF-AUDIO

NO.	STOCK NUMBER	PART NAME
8	97P3015400	SPRING F/L DOOR
9	97P1801702	DOOR F/L
10	97PA105116	PANEL FRONT AS
11	7624300811	SCREW TAPPING
12	97P0421100	COVER BOTTOM
13	97P0421201	COVER TOP
14	7123401212	SCREW TAPPING

■ VCR-52VAD

NO.	STOCK NUMBER	PART NAME
1	97PA105002	CHASSIS MAIN AS
2	7278300811	SCREW TAPTITE
3	97P6518120	PCB FRONT
4	97P6518030	PCB TIMER
5	97P6518020	PCB MAIN
6	97P6518040	PCB POWER
7	97P6518050	PCB PIF-AUDIO

NO.	STOCK NUMBER	PART NAME
8	97P3015400	SPRING F/L DOOR
9	97P1801708	DOOR F/L
10	97PA105117	PANEL FRONT AS
11	7624300811	SCREW TAPPING
12	97P0421100	COVER BOTTOM
13	97P0421200	COVER TOP
14	7123401212	SCREW TAPPING

## 6-2-5. PARTS LIST OF FRONT PANEL

### ■ VCR-52DAD (DAEWOO)

NO.	STOCK NUMBER	PART NAME
1	97P0301503	PANEL FRONT
2	97P1703000	INDICATOR POWER
3	97P1310000	KNOB FUNCTION
4	97P1310200	KNOB COUNTER
5	97P1310300	KNOB TIMER
6	97P2314800	HOLDER DOOR
7	97P0916820	PLATE TIMER

NO.	STOCK NUMBER	PART NAME
8	97P9315800	LABEL TIMER
9	97P1801904	DOOR FRONT
10	97P3016000	SPRING KNOB CH
11	97P1310100	KNOB CHANNEL
12	97P1602603	WINDOW FRONT
13	97P0919300	PLATE EARTH TK
14	97P0919000	PLATE EARTH FP

### ■ VCR-32DAD (DAEWOO)

NO.	STOCK NUMBER	PART NAME
1	97P0301504	PANEL FRONT
2	97P1703000	INDICATOR POWER
3	97P1310000	KNOB FUNCTION
4	97P1310200	KNOB COUNTER
5	97P1310300	KNOB TIMER
6	97P2314800	HOLDER DOOR
7	97P0916830	PLATE TIMER

NO.	STOCK NUMBER	PART NAME
8	97P9315800	LABEL TIMER
9	97P1801905	DOOR FRONT
10	97P3016000	SPRING KNOB CH
11	97P1310100	KNOB CHANNEL
12	97P1602604	WINDOW FRONT
13	97P0919300	PLATE EARTH TK
14	97P0919000	PLATE EARTH FP

### ■ VCR-32DAP (DAEWOO)

NO.	STOCK NUMBER	PART NAME
1	97P0301504	PANEL FRONT
2	97P1703000	INDICATOR POWER
3	97P1310000	KNOB FUNCTION
4	97P1310200	KNOB COUNTER
5	97P1310300	KNOB TIMER
6	97P2314800	HOLDER DOOR
7	97P0916830	PLATE TIMER

NO.	STOCK NUMBER	PART NAME
8	97P9315800	LABEL TIMER
9	97P1801915	DOOR FRONT
10	97P3016000	SPRING KNOB CH
11	97P1310100	KNOB CHANNEL
12	97P1602604	WINDOW FRONT
13	97P0919300	PLATE EARTH TK
14	97P0919000	PLATE EARTH FP

### ■ VCR-32DAP (AB) (Brand: AIM)

NO.	STOCK NUMBER	PART NAME
1	97P0301504	PANEL FRONT
2	97P1703000	INDICATOR POWER
3	97P1310000	KNOB FUNCTION
4	97P1310200	KNOB COUNTER
5	97P1310300	KNOB TIMER
6	97P2314800	HOLDER DOOR
7	97P0916830	PLATE TIMER

NO.	STOCK NUMBER	PART NAME
8	97P9315800	LABEL TIMER
9	97P1801927	DOOR FRONT
10	97P3016000	SPRING KNOB CH
11	97P1310100	KNOB CHANNEL
12	97P1602603	WINDOW FRONT
13	97P0919300	PLATE EARTH TK
14	97P0919000	PLATE EARTH FP

■ VCR-32DAP (QB)

NO.	STOCK NUMBER	PART NAME
1	97P0301504	PANEL FRONT
2	97P1703000	INDICATOR POWER
3	97P1310000	KNOB FUNCTION
4	97P1310200	KNOB COUNTER
5	97P1310300	KNOB TIMER
6	97P2314800	HOLDER DOOR
7	97P0916830	PLATE TIMER

NO.	STOCK NUMBER	PART NAME
8	97P9315800	LABEL TIMER
9	97P1801915	DOOR FRONT
10	97P3016000	SPRING KNOB CH
11	97P1310100	KNOB CHANNEL
12	97P1602604	WINDOW FRONT
13	97P0919300	PLATE EARTH TK
14	97P0919000	PLATE EARTH FP

■ VCR-52VAD

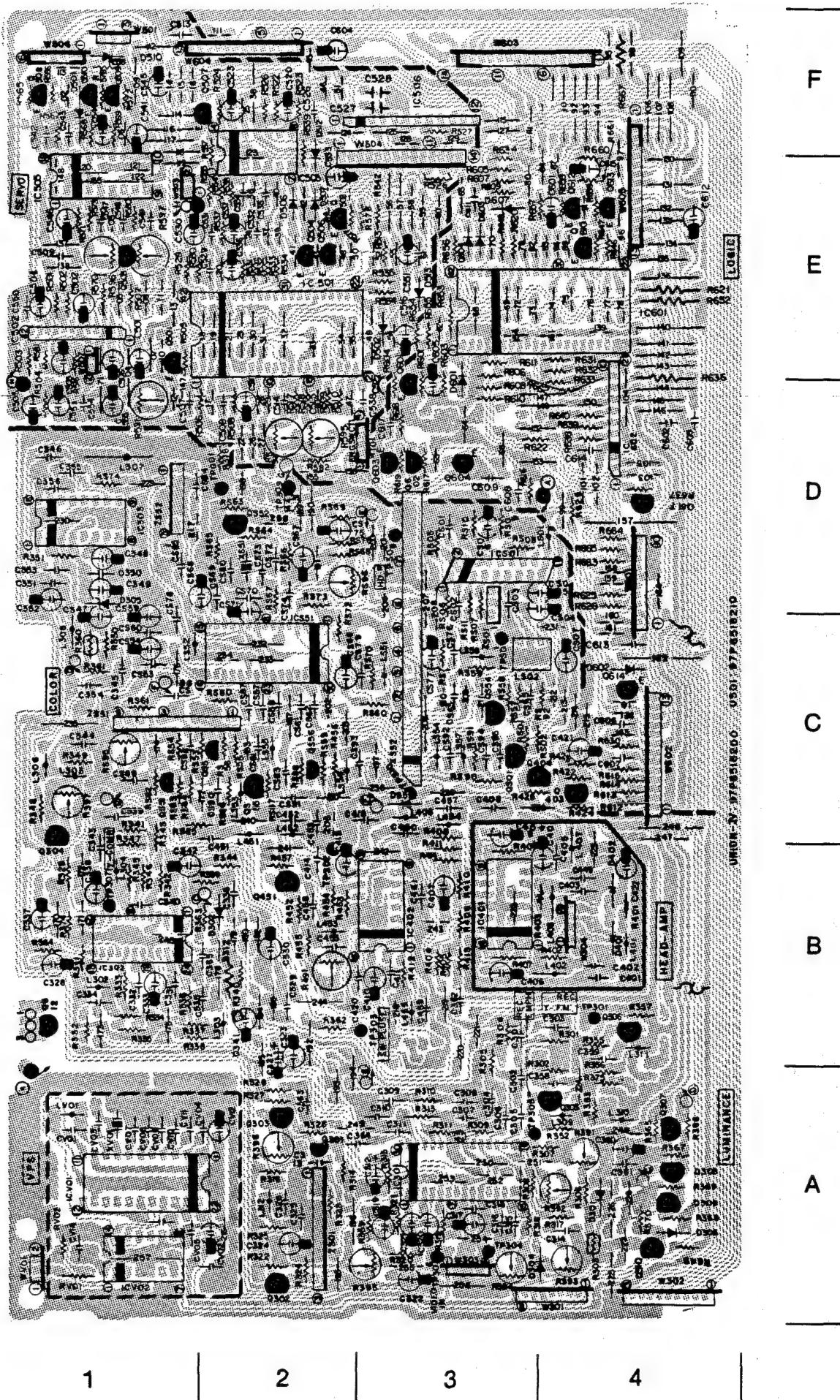
NO.	STOCK NUMBER	PART NAME
1	97P0301514	PANEL FRONT
2	97P1703000	INDICATOR POWER
3	97P1310007	KNOB FUNCTION
4	97P1310200	KNOB COUNTER
5	97P1310300	KNOB TIMER
6	97P2314800	HOLDER DOOR
7	97P0916840	PLATE TIMER

NO.	STOCK NUMBER	PART NAME
8	97P9315801	LABEL TIMER
9	97P1801916	DOOR FRONT
10	97P3016000	SPRING KNOB CH
11	97P1310107	KNOB CHANNEL
12	97P1602609	WINDOW FRONT
13	97P0919300	PLATE EARTH TK
14	97P0919000	PLATE EARTH FP

6-2-6. PARTS LIST OF MAIN CHASSIS

NO.	STOCK NUMBER	PART NAME
1	97P0603600	CHASSIS MAIN
2	97P2315000	HOLDER LED
3	97P2314900	HOLDER FIP
4	97P2414800	BRACKET POWER TRANS
5	47P1501600	HOLDER POWER CORD
6	97P2415100	BRACKET LINE FILTER
7	97P4402501	RADIATOR POWER TR
8	97P0917700	PLATE SHILED
9	97P2314700	HOLDER ANT BOARD B
10	97P2314600	HOLDER ANT BOARD A
11	97P0701400	BOARD ANT

NO.	STOCK NUMBER	PART NAME
12	97P0919100	PLATE EARTH AB
13	97P0421700	CASE VIDEO SHIELD
14	97P0421800	COVER VIDEO SHIELD
15	97P0917000	PLATE VIDEO SHIELD
16	97P0800400	FOOT
17	7624300811	SCREW TAPPING
18	7124401011	SCREW TAPPING
19	7278300811	SCREW TAPITIE
20	7123301212	SCREW TAPPING
21	7124301211	SCREW TAPPING
22	97P2415200	BRKT R/F CONVERTER



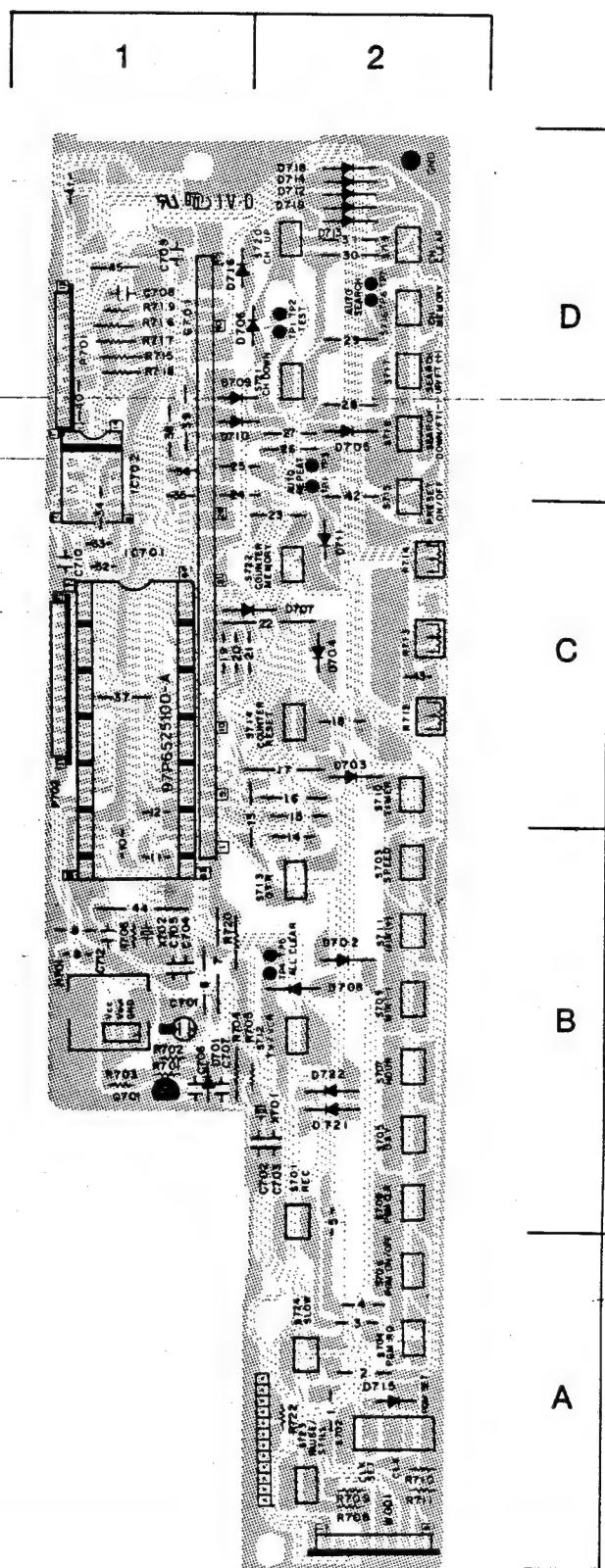
# SECTION 7. COMPONENTS LOCATION GUIDE ON PC BOARD (TOP VIEW)

## 7.1 MAIN PC BOARD

LOC	POS	LOC	POS	LOC	POS	LOC	POS	LOC	POS	LOC	POS	LOC	POS	LOC	POS	LOC	POS
C301	B3	C405	C4	C603	D4	CV12	A2	LS58	C3	R326	A2	R423	C4	R605	F3	RS61	C1
C302	B3	C406	B3	C604	F2	D301	A4	LV01	A1	R327	B2	R424	C4	R606	E3	RS63	D2
C303	B4	C407	B3	C605	E3	D304	A3	P501	F1	R328	B2	R425	C3	R607	F3	RS64	D2
C304	A3	C408	C3	C606	C4	D305	D1	Q301	A2	R329	B1	R452	B2	R608	E3	RS65	D2
C305	A3	C409	C3	C607	C4	D306	A4	Q302	A2	R331	B1	R453	B2	R609	F3	RS66	D2
C306	A3	C410	B2	C608	D3	D401	B4	Q303	A2	R332	B1	R454	B2	R610	E3	RS67	D2
C307	A3	C411	B3	C609	D3	D402	C4	Q304	C1	R333	B1	R456	C2	R611	E3	RS68	D2
C308	A3	C414	C2	C611	E3	D501	F1	Q305	A4	R334	B1	R457	C2	R612	C4	RS69	D2
C309	B3	C418	C2	C612	E4	D502	E3	Q306	B4	R335	B1	R491	B2	R613	C4	RS70	C2
C310	A3	C419	C2	C613	C4	D506	E2	Q307	A4	R336	B1	R501	E1	R614	C4	RS71	C3
C311	A3	C420	B2	C614	D4	D507	E2	Q308	A4	R337	B2	R502	E1	R615	C4	RS72	D2
C312	A2	C421	C4	C615	F4	D510	F1	Q309	A4	R338	B2	R503	E1	R616	D3	RS73	D2
C313	A2	C422	C4	C617	D3	D512	F2	Q310	A4	R339	B2	R504	E1	R617	D3	RS74	D1
C314	A4	C430	B1	SC01	D3	D513	E3	Q403	C4	R340	B2	R505	E1	R618	E3	RS76	D2
C315	A3	C439	D1	CS02	D3	D601	E3	Q404	C3	R341	C1	R506	D2	R619	D3	RS80	C2
C316	A3	C449	C4	CS03	D3	D602	C4	Q451	B2	R342	B1	R507	E1	R620	E3	RS82	C1
C317	A3	C451	C2	CS04	D3	D603	E3	Q501	E1	R343	C1	R508	D2	R621	E4	RS83	C1
C318	A3	C452	C2	CS05	D3	D604	E3	Q502	E2	R344	C2	R509	E2	R622	D3	RS84	C1
C319	A3	C453	C2	CS06	D3	D607	E3	Q503	E1	R345	B1	R510	E2	R625	D4	RS85	C1
C320	A3	C455	B2	CS53	C1	DS51	C3	Q504	E2	R346	B1	R513	E3	R626	D4	RS86	C2
C321	A3	C457	C3	CS54	D1	IC301	A3	Q506	E2	R347	C1	R516	E1	R629	D4	RS87	C2
C322	A3	C458	B2	CS55	C3	IC302	B1	Q507	F2	R348	C1	R517	E2	R630	C4	RS88	C2
C323	B2	C459	B3	CS57	C2	IC303	D1	Q508	F1	R350	D1	R518	E2	R631	E4	RS89	C2
C324	A2	C460	C3	CS59	D1	IC401	B3	Q509	F1	R351	D1	R522	F2	R632	E4	RS90	C3
C325	A2	C461	B3	CS60	D1	IC402	B3	Q510	F1	R352	A4	R523	F2	R633	E4	RS91	C3
C326	A2	C501	E1	CS61	C2	IC501	E2	Q512	B1	R353	A4	R526	F2	R634	F3	RS95	C1
C327	B2	C502	E1	CS62	C2	IC502	E1	Q601	E3	R354	A4	R527	F3	R636	E4	RS96	D2
C328	B1	C503	E1	CS63	C3	IC503	F2	Q602	D3	R355	B4	R528	F3	R637	D4	RV01	A1
C329	B2	C504	E1	CS64	D2	IC505	F1	Q603	D3	R356	B4	R529	E1	R638	D4	RV02	A1
C330	B2	C505	E1	CS65	C3	IC506	F3	Q604	D4	R359	A2	R530	E2	R639	D4	TP301	B4
C331	B1	C506	E1	CS66	C2	IC601	E4	Q610	E4	R360	D1	R531	E2	R640	E4	TP302	C2
C333	B1	C507	E1	CS68	D2	IC602	D4	Q612	F4	R361	C1	R532	E2	R646	E4	TP303	B2
C334	B1	C508	D2	CS69	D2	ICS01	D3	Q613	F4	R362	B2	R533	E2	R647	E4	TP304	A3
C335	B2	C509	E1	CS70	D2	ICS51	D2	Q614	C4	R363	B2	R534	E2	R648	E3	TR305	AA
C336	B2	C514	E2	CS71	D2	ICV01	A1	Q617	D4	R364	B1	R535	E3	R649	A4	TP306	A3
C337	B1	C515	E2	CS72	D2	ICV02	A1	QS01	C3	R365	A4	R537	E2	R652	E4	TP307	B1
C338	B1	C516	E3	CS73	D2	L302	B1	QS51	C1	R366	A4	R538	F2	R653	E3	TP308	D3
C339	C1	C522	E3	CS74	D2	L303	B2	QS53	C2	R367	A4	R539	F2	R654	E3	TP309	D2
C341	B2	C523	F2	CS75	D2	L304	B1	QS54	C3	R368	A4	R542	F3	R655	E3	TPG01	D2
C342	C1	C526	F2	CS76	C3	L305	C1	QS55	C2	R369	A4	R554	F2	R656	E3	TPS01	C3
C343	C1	C527	F2	CS77	C3	L306	C1	QS56	C2	R370	A4	R555	F2	R659	F4	W301	A4
C344	C1	C528	F3	CS78	D1	L307	D1	R301	B4	R374	B1	R557	F2	R660	F4	W302	A4
C345	C1	C529	E2	CS79	C2	L308	D1	R302	B3	R376	D2	R558	F1	R661	F4	W303	A3
C346	D1	C530	E1	CS80	D2	L309	A4	R303	A4	R391	A4	R564	E3	R662	E3	W304	B4
C347	D1	C531	E2	CS81	C2	L310	A4	R304	B3	R392	A4	R565	F1	R663	D4	W503	F1
C348	D1	C532	E2	CS83	C2	L311	B4	R305	B3	R393	A4	R566	F1	R664	D4	W504	F3
C350	D1	C534	E2	CS85	D1	L312	A2	R306	A4	R394	A3	R567	F1	R665	D4	W506	F1
C351	B1	C535	E2	CS87	C2	L401	B4	R307	A3	R395	A2	R568	F1	R557	D4	W507	E1
C352	D1	C536	E2	CS88	C1	L402	B4	R308	A3	R396	A2	R569	F1	RS01	C3	W601	D4
C353	D1	C537	E2	CS89	C1	L403	B4	R309	A3	R397	C1	R570	E1	RS02	C3	W602	C4
C354	C1	C538	E3	CS90	C2	L406	C3	R310	B3	R401	B4	R571	E1	RS05	D3	W603	F3
C355	D1	C541	F1	CS91	C2	L407	C4	R311	A3	R402	B4	R572	F1	RS06	D3	W604	F2
C356	D1	C543	F1	CS92	C3	L451	C2	R312	A3	R403	B3	R573	E1	RS07	D3	W605	E4
C358	B3	C544	F1	CS93	C2	L452	C2	R313	A3	R404	B3	R577	E2	RS08	D3	WT01	D3
C359	B4	C545	F1	CS94	C3	L453	B2	R314	A2	R405	B3	R578	E3	RS09	D3	XS51	D2
C360	A4	C546	E1	CV01	A1	L455	B3	R315	A3	R406	B3	R581	E1	RS10	D3	XS52	C3
C361	A4	C547	E1	CV02	A2	LS01	D3	R316	A2	R407	B3	R582	D2	RS11	D3	XV01	A1
C362	B3	C548	E1	CV04	A1	LS02	D3	R317	A4	R408	C3	R591	D1	RS53	C2	Z301	A2
C363	A2	C549	E1	CV05	A1	LS51	C3	R318	A3	C409	C3	R594	D2	RS54	C1	ZS01	D3
C364	A2	C550	E1	CV06	A1	LS52	C1	R319	A3	R410	B3	R595	D2	RS55	C2	ZS51	C1
C365	B2	C553	E1	CV07	A1	LS53	C2	R320	A3	R411	C3	R596	E1	RS56	C2	ZS52	D1
C401	B4	C554	E1	CV08	A1	LS54	C3	R322	A2	R412	B3	R597	E1	RS57	C3		
C402	B4	C555	E1	CV09	A1	LS55	C2	R323	A2	R413	B3	R601	E3	RS58	C3		
C403	B4	C601	F4	CV10	A1	LS56	C2	R324	A2	R414	C3	R603	E3	RS59	C3		
C404	C3	C602	D4	CV11	A1	LS57	C3	R325	A2	R422	C4	R604	E3	RS60	C3		

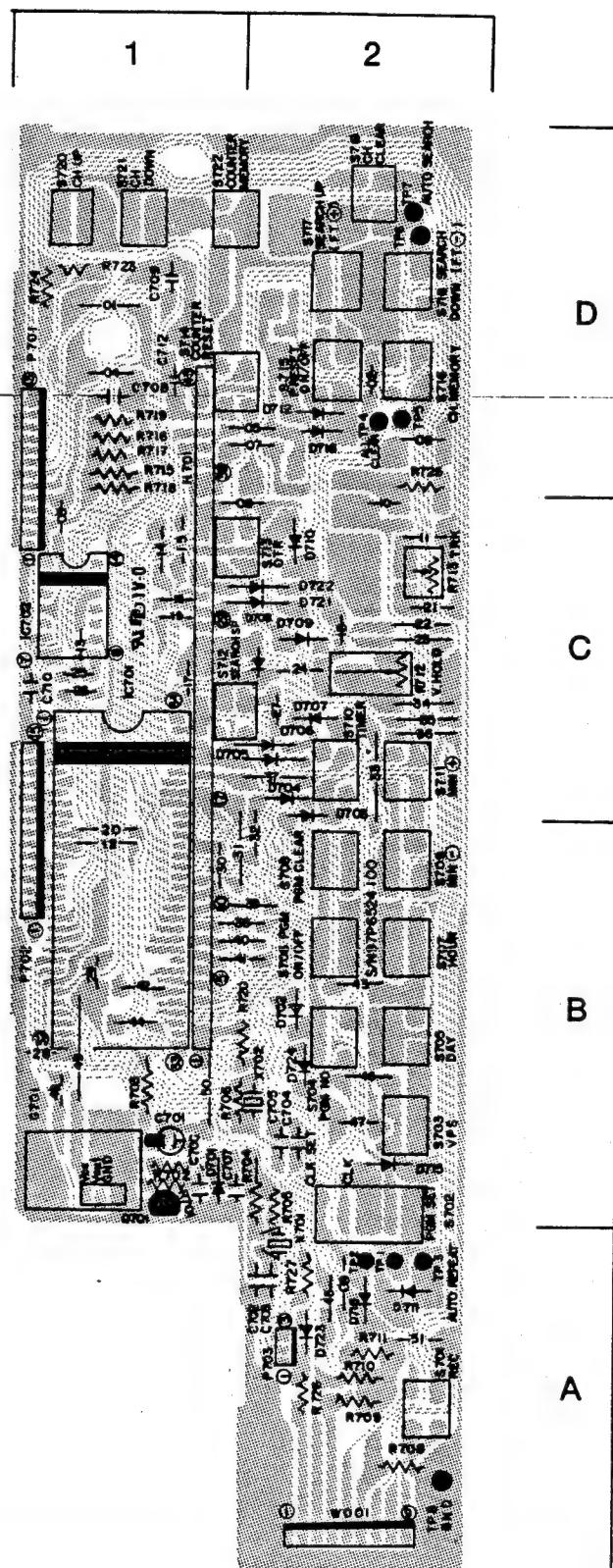
## 7-2. TIMER PC BOARD

LOC	POS	LOC	POS
C702	A2	R713	C2
C703	A2	R715	D1
C704	B2	R716	D1
C705	B2	R717	D1
C708	D1	R718	D1
C709	D1	R719	D1
C710	C1	R720	B2
C711	A2	R721	A2
C702	B2	R722	A2
C703	C2	R723	D1
C704	C2	R724	D1
C708	C2	R725	D2
C709	C2	S701	A2
C710	C2	S702	B2
C711	A2	S704	B2
C714	D1	S705	B2
C716	A2	S706	B2
C718	D2	S707	B2
C721	C2	S708	B2
D722	C2	S709	B2
G701	D1	S710	C2
H701	B1	S711	C2
IC701	B1	S712	C2
IC702	C1	S713	C2
P701	D1	S714	D2
P702	B1	S715	D2
Q702	A2	S716	D2
R703	B1	S717	D2
R704	B2	S718	D2
R705	B2	S719	D2
R706	B2	S720	D1
R707	A2	S721	D1
R708	A2	S722	D2
R709	A2	W001	A2
R710	A2	X701	A2
R711	A2	X702	B2
R712	C2		



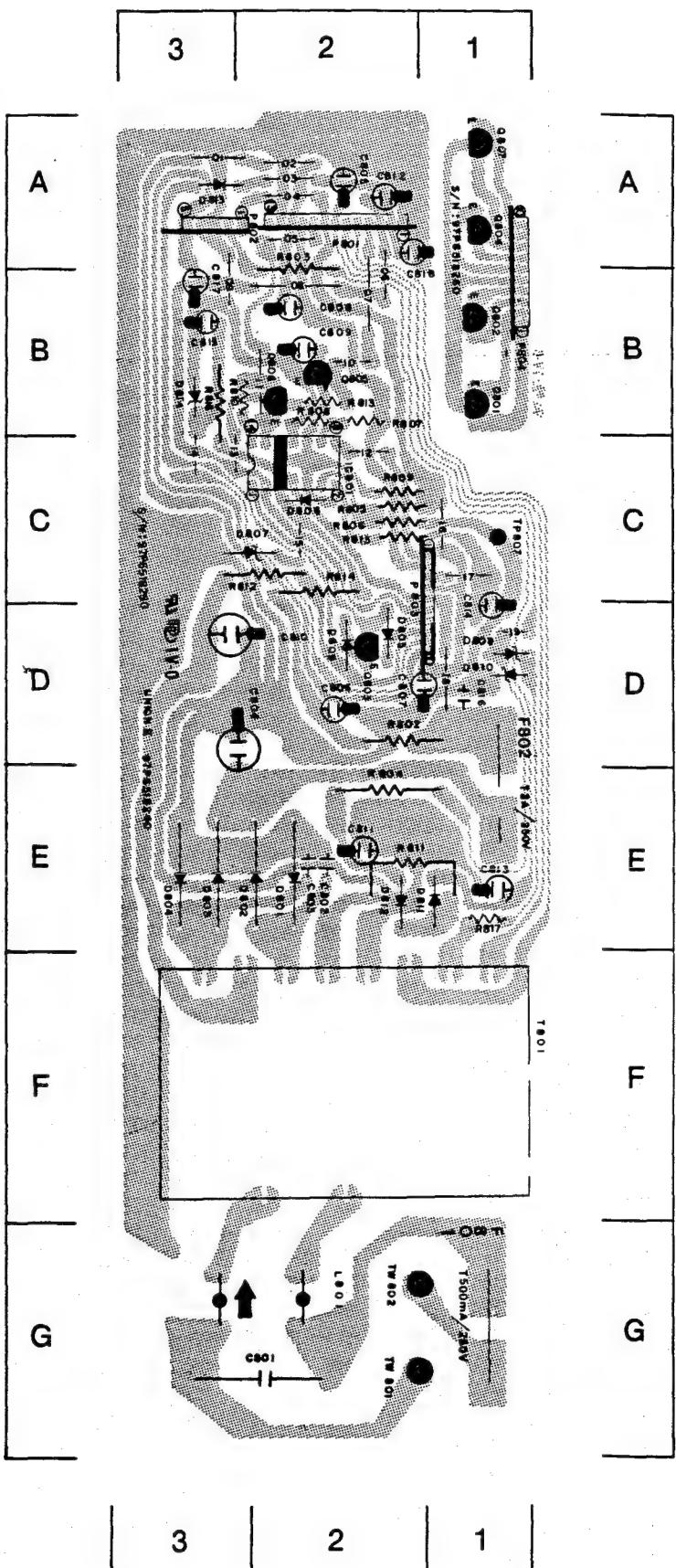
### 7-3. TIMER PC BOARD (VCR-52VAD ONLY)

LOC	POS	LOC	POS
C702	A2	R712	C2
C703	A2	R713	C2
C704	B2	R715	D1
C705	B2	R716	D1
C708	D1	R717	D1
C709	D1	R718	D1
C710	C1	R719	D1
C702	B2	R723	D1
C703	C2	R724	D1
C704	C2	R725	D2
C705	C2	R726	A2
C706	C2	R727	A2
C707	C2	S701	A2
C708	C2	S702	B2
C709	C2	S703	B2
C710	C2	S704	B2
C711	A2	S705	B2
C712	D2	S706	B2
C715	B2	S707	B2
C716	A2	S708	B2
C721	C2	S709	B2
D722	C2	S710	C2
D723	A2	S711	C2
G701	D1	S712	C2
H701	B1	S713	C2
IC701	B1	S714	D2
IC702	C1	S715	D2
P701	D1	S716	D2
P702	B1	S717	D2
P703	A2	S718	D2
R703	B1	S719	D2
R704	B2	S720	D1
R705	B2	S721	D1
R706	B2	S722	D2
R708	A2	W001	A2
R709	A2	X701	A2
R710	A2	X702	B2
R711	A2		



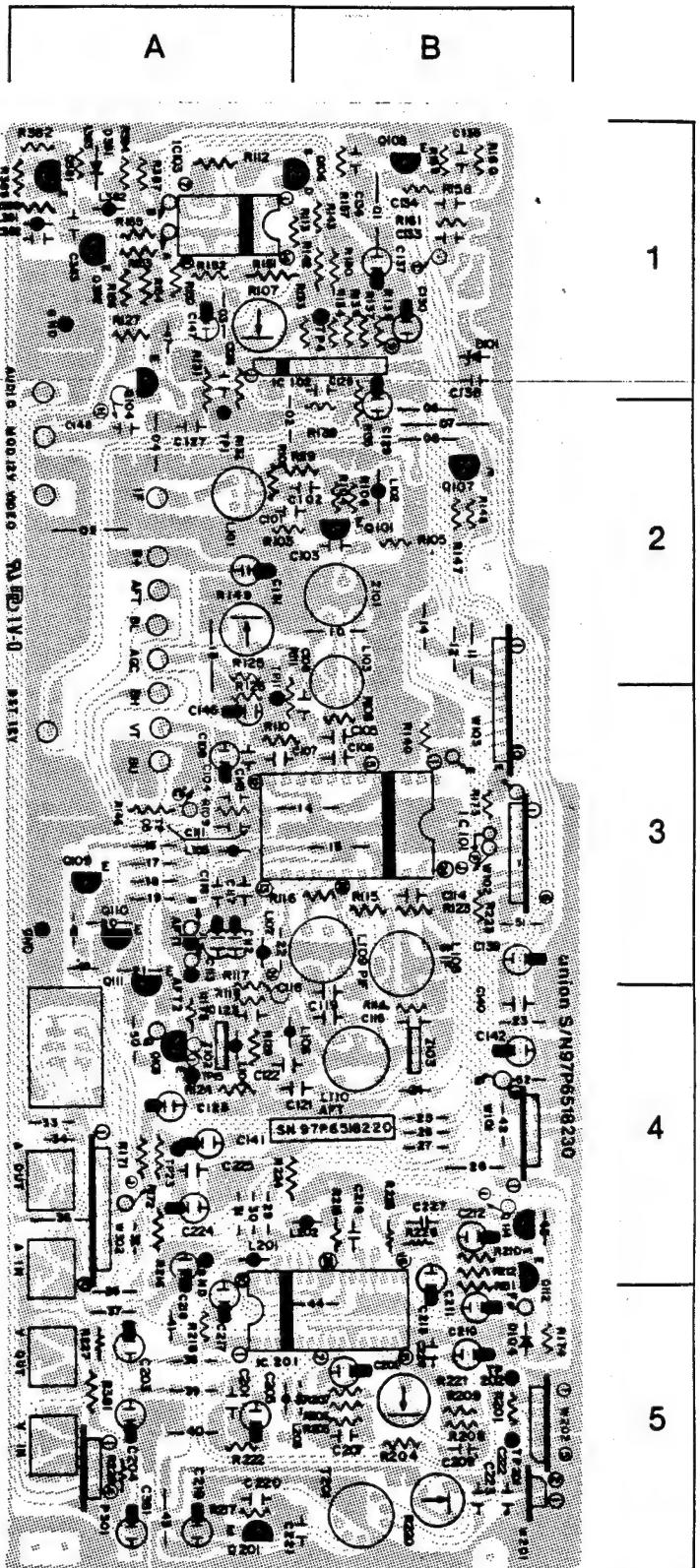
## 7-4. POWER PC BOARD

C801	G3	D804	E3	Q807	A1
C802	E2	D805	D2	R802	D2
C803	E2	D806	C2	R803	B2
C804	D3	D807	C3	R804	E2
C805	A2	D808	D1	R805	C2
C806	D2	D809	D2	R806	C2
C807	D2	D810	D1	R807	B2
C808	B2	D811	E2	R808	B2
C809	B2	D812	E2	R809	C2
C810	D3	D813	A3	R810	B3
C811	E2	D814	B3	R811	E2
C812	A2	F801	G1	R812	C3
C813	E1	F802	E1	R813	B2
C814	C1	IC801	C2	R814	C2
C815	B3	L801	G2	R815	C2
C816	D1	Q801	B1	R816	B3
C817	B3	Q802	B1	T801	F2
C818	A2	Q803	D2	TP806	D1
D801	E2	Q804	A1	TP807	C1
D802	E3	Q805	B2	TW801	G2
D803	E3	Q806	B2	TW802	G2



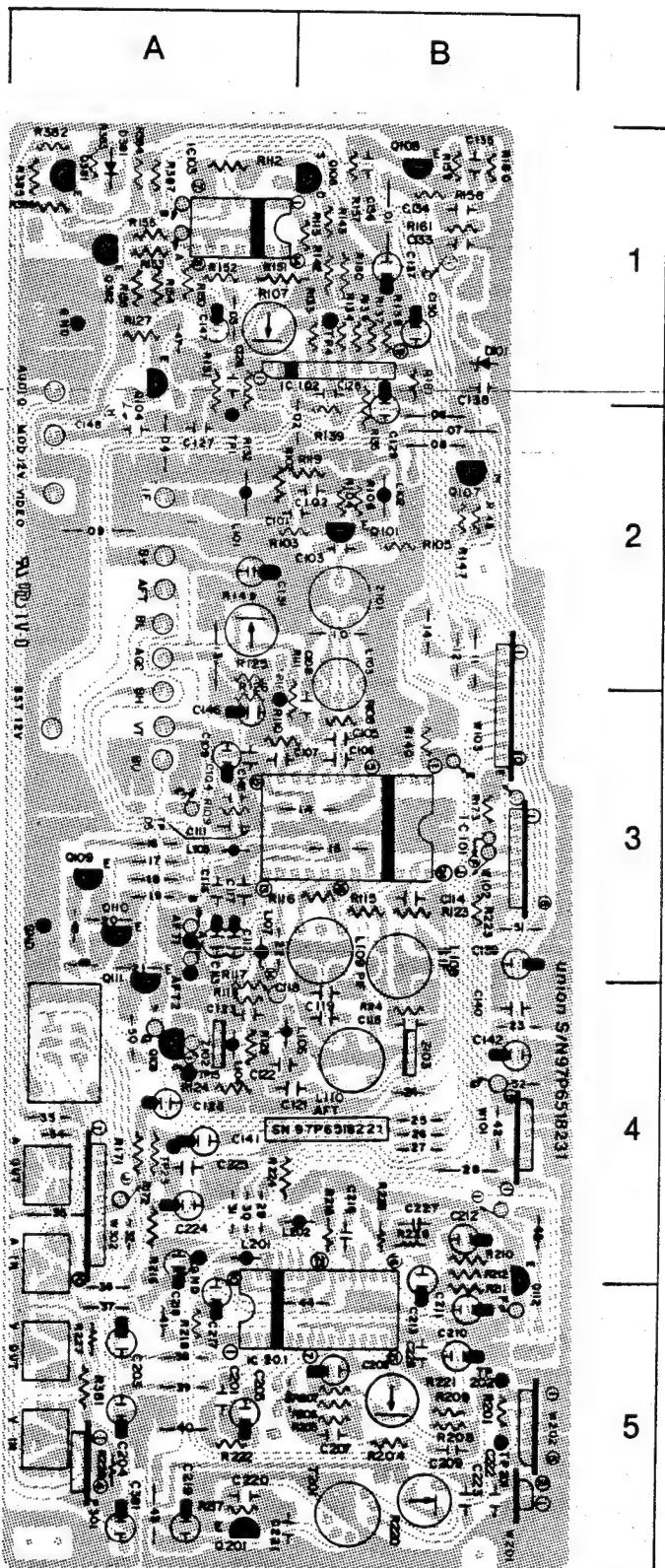
## 7-5. PIF & AUDIO PC BOARD (VCR-52/32DAD, VCR-52VAD)

POS	LOC	POS	LOC	POS	LOC	POS	LOC
A2	C101	A4	C218	A2	R102	B5	R174
B2	-C102	A5	C219	A2	R103	A4	R175
B2	C103	A5	C220	B2	R104	B2	R180
A3	C104	B5	C221	B2	R105	B5	R201
B3	C105	B5	C226	B2	R106	B5	R204
B3	C106	B5	C222	A1	R107	B5	R205
A3	C107	B5	C223	B3	R108	B5	R206
B3	C108	A4	C224	A3	R109	B5	R207
A3	C109	A4	C225	A3	R110	B5	R208
A3	C111	B4	C227	A3	R111	B5	R209
A3	C112	A5	C381	A1	R112	B4	R210
A3	C113	A1	C382	B1	R113	B5	R211
B3	C114	A1	C383	B4	R114	B4	R212
B4	C115	B1	D101	B3	R115	B4	R215
A3	C116	B5	D104	B3	R116	A4	R216
A3	C117	A1	D381	A3	R117	A5	R217
B3	C118	A2	H101	A4	R118	A5	R218
B4	C119	A2	H102	B2	R119	B5	R220
A4	C121	B3	IC101	A4	R124	B5	R221
A4	C122	B1	IC102	B3	R123	A5	R222
A4	C123	A1	IC103	A2	R125	B3	R223
A4	C125	B5	IC201	A2	R126	A4	R224
A1	C126	A4	J101	A1	R127	B4	R225
A2	C127	A4	J102	A4	R129	B4	R226
B1	C128	A5	J103	A1	R131	A5	R227
B1	C129	A5	J104	A1	R132	A5	R228
B1	C130	A2	L101	B1	R133	A5	R381
A2	C131	B2	L102	B1	R134	A1	R382
B1	C133	B2	L103	B1	R135	A1	R383
B1	C134	A4	L104	B1	R136	A1	R384
B1	C135	A3	L105	B1	R137	A1	R385
B1	C136	A4	L106	B1	R138	A1	R386
B1	C137	A3	L107	B2	R139	A1	R387
B1	C138	B3	L108	B3	R140	B5	T201
B3	C139	B3	L109	B1	R142	A2	TP1
B4	C140	B4	L110	B1	R143	A3	TP11
A4	C141	A4	L201	A3	R146	A4	TP15
B4	C142	B4	L202	B2	R147	B5	TP201
A3	C145	A1	L381	B2	R148	B5	TP202
A3	C146	A1	L382	A2	R149	A4	TP23
A1	C147	A5	P301	A1	R150	B1	TP4
A2	C148	B2	Q101	A1	R151	A3	TP(AFT1)
A5	C201	A4	Q103	A1	R152	A3	TP(AFT2)
A5	C203	A1	Q104	A1	R153	A1	TP(GND)
A5	C204	B1	Q106	A1	R154	A3	TP(GND)
A5	C205	B2	Q107	A1	R155	A4	TP(GND)
B5	C207	B1	Q108	A1	R156	B4	W101
B5	C208	A3	Q109	B1	R157	B3	W102
B5	C209	A3	Q110	B1	R158	B3	W103
B5	C210	A3	Q111	B1	R159	B5	W201
B5	C211	B4	Q112	B1	R160	B5	W202
B4	C212	B4	Q114	B1	R161	B2	Z101
B4	C213	A5	Q201	A4	R171	A4	Z102
B4	C216	A1	Q381	A4	R172	B4	Z103
A5	C217	A1	Q382	B3	R173		



## **7-6. PIF & AUDIO PC BOARD (VCR-32DAP, VCR-32DAP (AB), VCR-32DAP (QB))**

POS	LOC	POS	LOC	POS	LOC	POS	LOC
A2	C101	A4	C218	A2	R102	B5	R174
B2	C102	A5	C219	A2	R103	A4	R175
B2	C103	A5	C220	B2	R104	B2	R180
A3	C104	B5	C221	B2	R105	B5	R201
B3	C105	B5	C226	B2	R106	B5	R204
B3	C106	B5	C222	A1	R107	B5	R205
A3	C107	B5	C223	B3	R108	B5	R206
B3	C108	A4	C224	A3	R109	B5	R207
A3	C109	A4	C225	A3	R110	B5	R208
A3	C111	B4	C227	A3	R111	B5	R209
A3	C112	A5	C381	A1	R112	B4	R210
A3	C113	A1	C382	B1	R113	B5	R211
B3	C114	A1	C383	B4	R114	B4	R212
B4	C115	B1	D101	B3	R115	B4	R215
A3	C116	B5	D104	B3	R116	A4	R216
A3	C117	A1	D381	A3	R117	A5	R217
B3	C118	A2	H101	A4	R118	A5	R218
B4	C119	A2	H102	B2	R119	B5	R220
A4	C121	B3	IC101	A4	R124	B5	R221
A4	C122	B1	IC102	B3	R123	A5	R222
A4	C123	A1	IC103	A2	R125	B3	R223
A4	C125	B5	IC201	A2	R126	A4	R224
A1	C126	A4	J101	A1	R127	B4	R225
A2	C127	A4	J102	A4	R129	B4	R226
B1	C128	A5	J103	A1	R131	A5	R227
B1	C129	A5	J104	A1	R132	A5	R228
B1	C130	A2	L101	B1	R133	A5	R381
A2	C131	B2	L102	B1	R134	A1	R382
B1	C133	B2	L103	B1	R135	A1	R383
B1	C134	A4	L104	B1	R136	A1	R384
B1	C135	A3	L105	B1	R137	A1	R385
B1	C136	A4	L106	B1	R138	A1	R386
B1	C137	A3	L107	B2	R139	A1	R387
B1	C138	B3	L108	B3	R140	B5	T201
B3	C139	B3	L109	B1	R142	A2	TP1
B4	C140	B4	L110	B1	R143	A3	TP11
A4	C141	A4	L201	A3	R146	A4	TP15
B4	C142	B4	L202	B2	R147	B5	TP201
A3	C145	A1	L381	B2	R148	B5	TP202
A3	C146	A1	L382	A2	R149	A4	TP23
A1	C147	A5	P301	A1	R150	B1	TP4
A2	C148	B2	Q101	A1	R151	A3	TP(AFT1)
A5	C201	A4	Q103	A1	R152	A3	TP(AFT2)
A5	C203	A1	Q104	A1	R153	A1	TP(GND)
A5	C204	B1	Q106	A1	R154	A3	TP(GND)
A5	C205	B2	Q107	A1	R155	A4	TP(GND)
B5	C207	B1	Q108	A1	R156	B4	W101
B5	C208	A3	Q109	B1	R157	B3	W102
B5	C209	A3	Q110	B1	R158	B3	W103
B5	C210	A3	Q111	B1	R159	B5	W201
B5	C211	B4	Q112	B1	R160	B5	W202
B4	C212	B4	Q113	B1	R161	B2	Z101
B4	C213	A5	Q201	A4	R171	A4	Z102
B4	C216	A1	Q381	A4	R172	B4	Z103
A5	C217	A1	Q382	B3	R173		



# SECTION 8 ELECTRICAL PARTS LIST

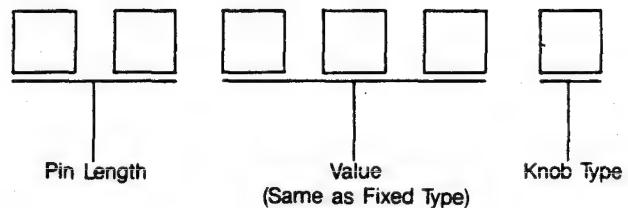
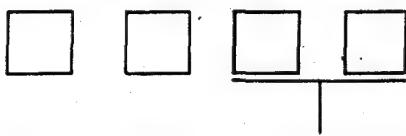
## 8-1. STANDARD PART NUMBER CODING

### 8-1-1. RESISTOR CODING

#### 1. Fixed Resistor Coding

<b>Type of Resistor</b>																						
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C	Composition Resistor																					
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N	Metal Film Resistor																					
S	Metal-Oxide Film Resistor																					
W	Wire Wound Resistor																					
X	Cement Resistor																					
Y	Chip Resistor																					
<b>Rated Wattage</b>																						
Code	Wattage	Code	Distance	Code																		
-A	1/6 W	A	2.5 mm	478	0.47Ω																	
-8	1/8 W	B	5.0 mm	479	4.7Ω																	
-4	1/4 W	C	7.5 mm	470	47Ω																	
-2	1/2 W	D	10.0 mm	471	470Ω																	
01	1W	E	12.5 mm	472	472Ω																	
02	2W	F	15.0 mm	473	47Ω																	
		G	17.5 mm																			
		H	20.0 mm																			
		J	22.5 mm																			
		K	25.0 mm																			
		X	Auto Insertion																			
		Z	Auto Insertion																			
<b>Value</b>																						
<table border="1"> <thead> <tr> <th>Symbol</th><th>Tolerance</th> </tr> </thead> <tbody> <tr> <td>F</td><td>±1%</td> </tr> <tr> <td>G</td><td>±2%</td> </tr> <tr> <td>J</td><td>±5%</td> </tr> <tr> <td>K</td><td>±10%</td> </tr> <tr> <td>M</td><td>±20%</td> </tr> <tr> <td>N</td><td>±30%</td> </tr> </tbody> </table>					Symbol	Tolerance	F	±1%	G	±2%	J	±5%	K	±10%	M	±20%	N	±30%				
Symbol	Tolerance																					
F	±1%																					
G	±2%																					
J	±5%																					
K	±10%																					
M	±20%																					
N	±30%																					

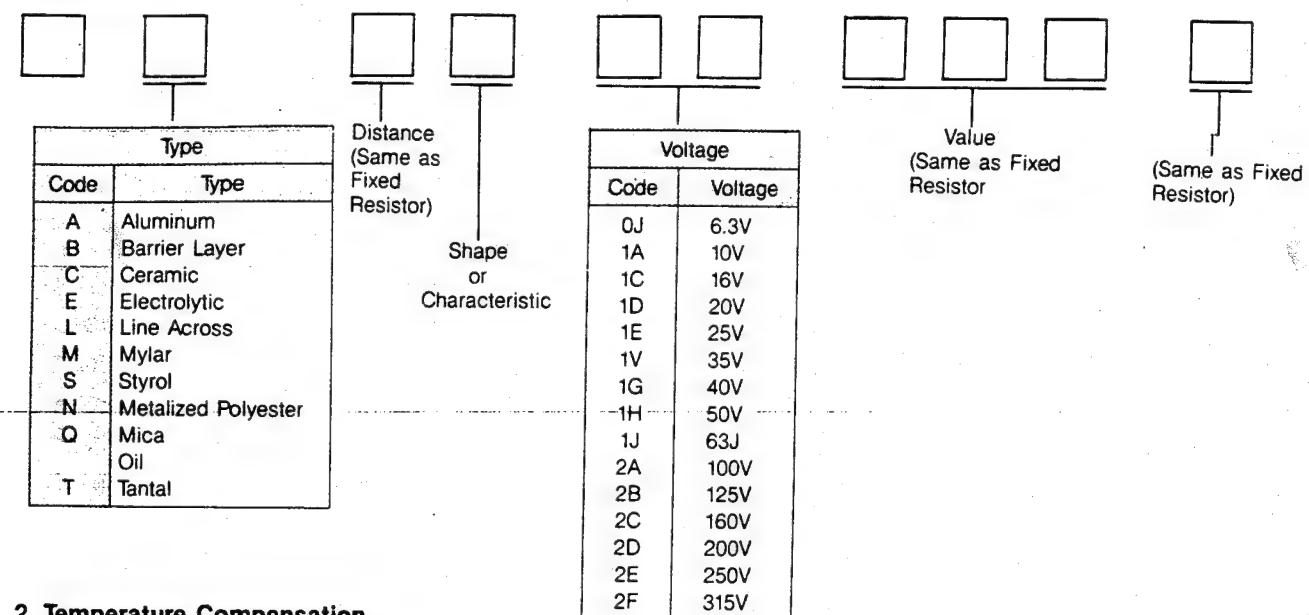
#### 2. Semi-Fixed Resistor Coding



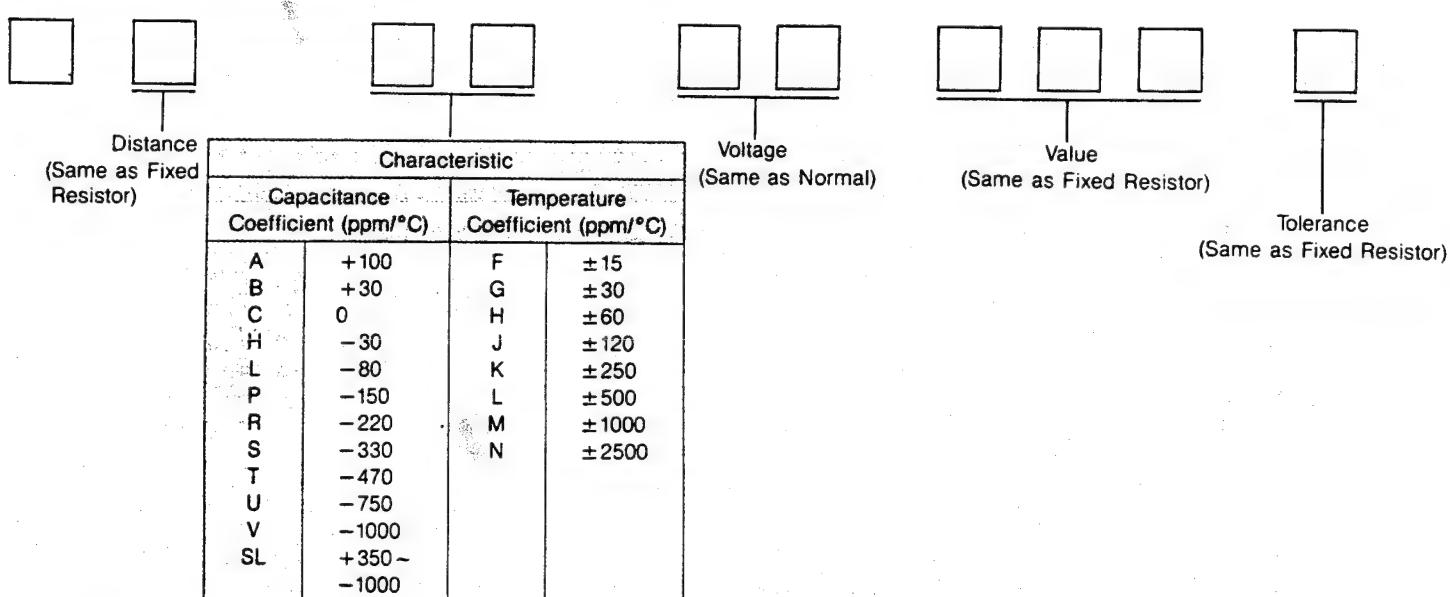
Material	Shape	Knob		Code
CARBON FILM	VERTICAL	WITH	1	11
		WITHOUT	2	12
	HORIZONTAL	WITH	3	13
		WITHOUT	4	14
METAL GRAZE	VERTICAL	WITH	1	21
		WITHOUT	2	22
	HORIZONTAL	WITH	3	23
		WITHOUT	4	24
CARBON SOLID	VERTICAL	WITH	1	51
		WITHOUT	2	52
	HORIZONTAL	WITH	3	53
		WITHOUT	4	54
CERMIET	VERTICAL	WITH	1	61
		WITHOUT	2	62
	HORIZONTAL	WITH	3	63
		WITHOUT	4	64

## 8-1-2. CAPACITOR CODING

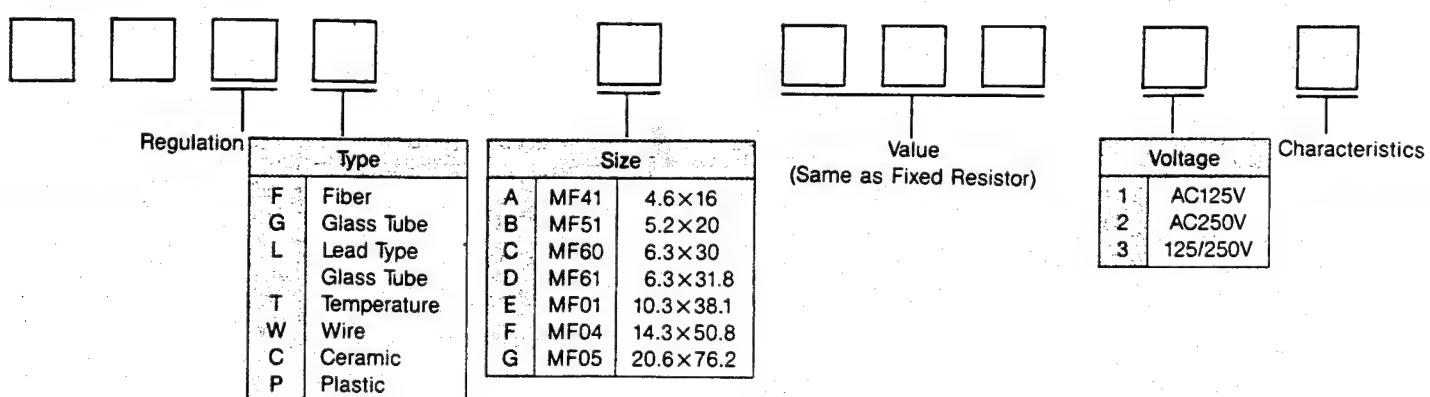
### 1. Normal



### 2. Temperature Compensation



## 6-1-3. FUSE CODING



## 8-2. ELECTRICAL PART LIST BY ASSEMBLIES

### 8-2-1. MAIN PCB ASS'Y (VCR-52DAD)

LOC	AJ	PART CODE	PART NAME	PART DESC
CS01		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
CS02		CCXB1H102K	C CERA	HIKB 50V 1000PF K TAPING
CS03		CMYB1H563J	C MYLAR	50V 0.056J
CS04		CEXE1A330A	C ELECTRO	10V 33MF 5x11
CS05		CEXE1A470A	C ELECTRO	10V 47MF 5x11 RS TAPING
CS06		CEXE1A330A	C ELECTRO	10V 33MF 5x11
CS07		CEXE1H478A	C ELECTRO	50V 0.47MF RS=5x11 TAPING
CS53		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
CS54		CEXE1H109A	C ELECTRO	50V 1MF RS=5x11 TAPING
CS57		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
CS58		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
CS59		CEXE1C220A	C ELECTRO	16V 22MF RS=5x11 TAPING
CS60		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
CS61		CMXM1H333J	C MYLAR	50V 0.033MF J
CS62		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
CS63		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
CS65		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
CS66		CEXE1H109A	C ELECTRO	50 1MF RS=5x11 TAPING
CS67		CEXE1C220A	C ELECTRO	16V 22MF RS=5x11 TAPING
CS68		CEXE1H109A	C ELECTRO	50V 1MF RS=5x11 TAPING
CS69		CXSL1H201J	C CERA	SL 50V 200PF J R/T
CS70		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
CS71		CEXE1C220A	C ELECTRO	16V 22MF RS=5x11 TAPING
CS72		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
CS73		CXSL1H390J	C CERA	SL 50V 39PF J TAPING
CS74		CCXB1H222K	C CERA	HIKB 50V 2200PF K TAPING
CS75		CEXE1H109A	C ELECTRO	50V 1MF RS=5x11 TAPING
CS76		CCXB1H392K	C CERA	HIKB 50V 3900PF K TAPING
CS77		CEXE1H109A	C ELECTRO	50V 1MF RS=5x11 TAPING
CS78		CXSL1H330J	C CERA	SL 50V 33PF J TAPING
CS79		CXCH1H470J	C CERA	CH 50V 47PF J TAPING
CS80		CXCH1H470J	C CERA	CH 50V 47PF J TAPING
CS81		CXSL1H220J	C CERA	SL 50V 22PF J TAPING
CS83		CXSL1H101J	C CERA	SL 50V 100PF J TAPING
CS84		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
CS85		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
CS86		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
CS87		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
CS88		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
CS89		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
CS90		CXSL1H300J	C CERA	SL 50V 30PF J TAPING
CS91		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
CS92		CMXM1H104J	C MYLAR	50V 0.1MF J
CS93		CXSL1H471J	C CERA	SL 50V 470PF J TAPING

LOC	AJ	PART CODE	PART NAME	PART DESC
CS94		CXCH1H470J	C CERA	CH 50V 47PF J TAPING
CS95		CXSL1H101J	C CERA	SL 50V 100PF J TAPING
C301		CXSL1H820J	C CERA	SL 50V 82PF J TAPING
C302		CXSL1H130J	C CERA	SL 50V 13PF J TAPING
C303		CXSL1H820J	C CERA	SL 50V 82PF J TAPING
C304		CXSL1H120J	C CERA	SL 50V 12PF J TAPING
C305		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C306		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C307		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C308		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C309		CCXB1H822K	C CERA	HIKF 50V 8200PF K TAPING
C310		CXSL1H151J	C CERA	SL 50V 150PF J TAPING
C311		CXCH1H101J	C CERA	CH 50V 100PF J TAPING
C312		CEXE1C100A	C ELECTRO	16V 10MF RS=5x11 TAPING
C313		CXSL1H680J	C CERA	SL 50V 68PF J TAPING
C314		CXSL1H750J	C CERA	SL 50V 75PF J
C315		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C316		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C317		CEXE1A101A	C ELECTRO	10V 100MF RS 6.3x11 TAPING
C318		CBXF1H104Z	C CERA SEMI	HIKF 50V 0.1MF Z TAPING
C319		CEXE1H109A	C ELECTRO	50V 1MF RS=5x11 TAPING
C320		CEXE1E479A	C ELECTRO	25V 4.7MF RS TAPING
C321		CEXE1H478A	C ELECTRO	50V 0.47MF RS=5x11 TAPING
C322		CEXE1C330A	C ELECTRO	16V 33MF RS 5x11 TAPING
C323		CEXE1H478A	C ELECTRO	50V 0.47MF RS=5x11 TAPING
C324		CEXE1A470A	C ELECTRO	10V 47MF 5x11 RS TAPING
C325		CXSL1H510J	C CERA	SL 50V 51PF J
C326		CXSL1H151J	C CERA	SL 50V 150PF J TAPING
C327		CEXE1H100A	C ELECTRO	50V 10MF RS=5x11 TAPING
C328		CEXE1H109A	C ELECTRO	50V 1MF RS=5x11 TAPING
C329		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C330		CEXE1A470A	C ELECTRO	10V 47MF 5x11 RS TAPING
C331		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C332		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C333		CEXE1E479A	C ELECTRO	25V 4.7MF RS TAPING
C334		CXSL1H101J	C CERA	SL 50V 100PF J TAPING
C335		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C336		CXSL1H271J	C CERA	SL 50V 270PF J TAPING
C337		CEXE1H109A	C ELECTRO	50V 1MF RS=5x11 TAPING
C338		CEXE1E479A	C ELECTRO	25V 4.7MF RS TAPING
C339		CXSL1H101J	C CERA	SL 50V 100PF J TAPING
C340		CXSL1H470J	C CERA	SL 50V 47PF J TAPING
C341		CEXE1H109A	C ELECTRO	50V 1MF RS=5x11 TAPING
C342		CEXE1H339A	C ELECTRO	50V 3.3MF RS=5x11 TAPING

LOC	A/J	PART CODE	PART NAME	PART DESC
C343		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C344		CXSL1H101J	C CERA	SL 50V 100PF J TAPING
C345		CXSL1H390J	C CERA	SL 50V 39PF J TAPING
C346		CMXF2D474J	C MYLAR	CQ93 200V 0.47 MF J (MPP)
C347		CEXE1E479A	C ELECTRO	25V 4.7MF RS TAPING
C348		CEXE1H109A	C ELECTRO	50V 1MF RS=5x11 TAPING
C349		CEXE1C470A	C ELECTRO	16V 47MF RS 6.3x11 TAPING
C350		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C351		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C352		CEXE1C470A	C ELECTRO	16V 47MF RS 6.3x11 TAPING
C353		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C354		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C355		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C356		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C358		CXSL1H470J	C CERA	SL 50V 47PF J TAPING
C359		CXSL1H181J	C CERA	SL 50V 180PF J TAPING
C360		CEXE1A470A	C ELECTRO	10V 47MF 5x11 RS TAPING
C361		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C362		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C363		CXSL1H331J	C CERA	SL 50V 330PF J TAPING
C364		CMXM1H104J	C MYLAR	50V 0.1MF J
C365		DXSL1H150J	C CERA	SL 50V 15PF J TAPING
C401		CXCH1H470J	C CERA	CH 50V 47PF J TAPING
C402		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C403		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C404		CEXE1A470A	C ELECTRO	10V 47MF 5x11 RS TAPING
C405		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C406		CEXE1H109A	C ELECTRO	50V 1MF RS=5x11 TAPING
C407		CEXE1C220A	C ELECTRO	16V 22MF RS=5x11 TAPING
C408		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C409		CEXE1H109A	C ELECTRO	50V 1MF RS=5x11 TAPING
C410		CEXE1H478A	C ELECTRO	50V 0.47MF RS=5x11 TAPING
C411		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C414		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C418		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C419		CEXE1C220A	C ELECTRO	16V 22MF RS=5x11 TAPING
C420		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C421		CEXE1C220A	C ELECTRO	16V 22MF RS=5x11 TAPING
C422		CEXE1C330A	C ELECTRO	16V 33MF RS=5x11 TAPING
C449		CXCH1H470J	C CERA	CH 50V 47PF J TAPING
C451		CXSL1H511J	C CERA	SL 50V 510PF J
C452		CXSL1H709D	C CERA	SL 50V 7PF D
C453		CXSL1H150J	C CERA	SL 50V 15PF J TAPING
C455		CXSL1H101J	C CERA	SL 50V 100PF J TAPING
C457		CMXM1H104J	C MYLAR	50V 0.1MF J
C458		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C459		CXSL1H180J	C CERA	SL 50V 18PF J TAPING

LOC	A/J	PART CODE	PART NAME	PART DESC
C460		CCXB1H102K	C CERA	HIKB 50V 1000PF K TAPING
C461		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C462		CEXE1H478A	C ELECTRO	50V 0.47MF RS=5x11 TAPING
C501		CEXE0J100A	C ELECTRO	6.3V 10MF RS 6.3x11 TAPING
C502		CEXE1C330A	C ELECTRO	16V 33MF RS 5x11 TAPING
C503		CEXE0J100A	C ELECTRO	6.3V 10MF RS 6.3x11 TAPING
C504		CEXE0J100A	C ELECTRO	6.3V 10MF RS 6.3x11 TAPING
C505		CEXE0J100A	C ELECTRO	6.3V 10MF RS 6.3x11 TAPING
C506		CEXE1A470A	C ELECTRO	10V 47MF 5x11 RS TAPING
C507		CMXM1H563J	C MYLAR	50V 0.056MF J
C508		CMXM1H333J	C MYLAR	50V 0.033MF J
C509		CCXB1H102K	C CERA	HIKB 50V 1000PF K TAPING
C511		CEXE0J100A	C ELECTRO	6.3V 10MF RS 6.3x11 TAPING
C513		CMXM1H122J	C MYLAR	50V 0.0012MF J
C514		CMXM1H223J	C MYLAR	50V 0.022MF J
C515		CMXM1H223J	C MYLAR	50V 0.022MF J
C516		CEXE1H109A	C ELECTRO	50V 1MF RS=5x11 TAPING
C521		CBXF1H104Z	C CERA SEMI	HIKF 50V 0.1MF Z TAPING
C522		CBXF1H104Z	C CERA SEMI	HIKF 50V 0.1MF Z TAPING
C523		CEXE0J479A	C ELECTRO	6.3V 4.7MF RS
C526		CMXM1H103J	C MYLAR	50V 0.01MF J
C527		CMXM1H223J	C MYLAR	50V 0.022MF J INDUCT
C528		CMXM1H223J	C MYLAR	50V 0.022MF J INDUCT
C529		CMXM1H473J	C MYLAR	50V 0.047MF J
C530		CEXE1A479A	C ELECTRO	10V 4.7MF RS TAPING
C531		CMXM1H472J	C MYLAR	50V 0.0047MF J
C532		CMXM1H473J	C MYLAR	50V 0.047MF J
C534		CMXM1H104J	C MYLAR	50V 0.1MF J
C535		CMXM1H103J	C MYLAR	50V 0.01MF J
C536		CEXE1A470A	C ELECTRO	10V 47MF 5x11 RS TAPING
C537		CEXE1A470A	C ELECTRO	10V 47MF 5x11 RS TAPING
C538		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C541		CEXE1C470A	C ELECTRO	16V 47MF RS 6.3x11 TAPING
C543		CMXM1H563J	C MYLAR	50V 0.056MF J
C544		CEXE1H109A	C ELECTRO	50V 1MFF RS=5x11 TAPING
C545		CEXE1C470A	C ELECTRO	16V 47MF RS 6.3x11 TAPING
C546		CEXE1C339A	C ELECTRO	16V 3.3MF RS TAPING
C547		CMXM1H563J	C MYLAR	50V 0.056MF J
C548		CMXM1H123J	C MYLAR	50V 0.012 MF J
C549		CCXF1H223Z	C CERA	HIKF 50V 0.022MF Z TAPING
C550		CCXB1H102K	C CERA	HIKB 50V 1000PF K TAPING
C551		CEXE1H109A	C ELECTRO	50V 1MF RS=5x11 TAPING
C553		CEXE1A470A	C ELECTRO	10V 47MF 5x11 RS TAPING
C554		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C555		CBXF1H104Z	C CERA SEMI	HIKF 50V 0.1MF Z TAPING
C601		CEXE1C100A	C ELECTRO	16V 10MF RS=5x11 TAPING
C602		CBXF1H104Z	C CERA SEMI	HIKF 50V 0.1MF Z TAPING

LOC	A/J	PART CODE	PART NAME	PART DESC
C603		CBXF1H104Z	C CERA SEMI	HIKF 50V 0.1MF Z TAPING
C604		CEXE1A101A	C ELECTRO	10V 100MF RS 6.3x11 TAPING
C605		CEXE1C470A	C ELECTRO	16V 47MF RS 6.3x11 TAPING
C606		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C607		CCXF1H102Z	C CERA	HIKF 50V 1000PF Z TAPING
C609		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C611		CCXB1H102K	C CERA	HIB 50V 1000PF K TAPING
C612		CEXE1E470A	C ELECTRO	25V 47MF RS=6.3x11 TAPING
C613		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C614		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C615		CEXF1A102A	C ELECTRO	10V 1000MF RSM 18x20
C616		CBXF1H104Z	C CERA SEMI	HIKF 50V 0.1MF Z TAPING
C617		CBXF1H104Z	C CERA SEMI	HIKF 50V 0.1MF Z TAPING
DS51		DZN4148--	DIODE	1N4148 (AUTO)
D301		DZN4148--	DIODE	1N4148 (AUTO)
D302		DZN4148--	DIODE	1N4148 (AUTO)
D304		DZN4148--	DIODE	1N4148 (AUTO)
D305		DUZ7R5BM--	DIODE ZENER	UZ-7.5BM 7.5V
D306		DZN4148--	DIODE	1N4148 (AUTO)
D401		DZN4148--	DIODE	1N4148 (AUTO)
D402		DZN4148--	DIODE	1N4148 (AUTO)
D501		DZN4148--	DIODE	1N4148 (AUTO)
D503		DZN4148--	DIODE	1N4148 (AUTO)
D506		DZN4148--	DIODE	1N4148 (AUTO)
D507		DZN4148--	DIODE	1N4148 (AUTO)
D510		DZN4148--	DIODE	1N4148 (AUTO)
D512		DZN4148--	DIODE	1N4148 (AUTO)
D513		DZN4148--	DIODE	1N4148 (AUTO)
D601		DZN4148--	DIODE	1N4148 (AUTO)
D603		DZN4148--	DIODE	1N4148 (AUTO)
D604		DZN4148--	DIODE	1N4148 (AUTO)
D606		DZN4148--	DIODE	1N4148 (AUTO)
D607		DUZ3R9B--	DIODE ZENER	UZ-3.9B
ICS01		1BA7025L-	IC	BA7025L
ICS51		1TA8644N-	IC	TA8644N (COLOR PROCESS)
IC301		1TA8605AN-	IC	TA8605AN (Y-PROCESS)
IC302		1TA8606N-	IC	TA8606N
IC303		1TL8709P-	IC	TL8709L (1H DELAY CCD/PAL)
IC401		1TA7772P-	IC	TA7772P
IC402		1TA8607P-	IC	TA8607P
IC501		1DTS02PA4-	IC	DTS02PA4
IC502		1TA8618S-	IC	TA8618S
IC503		1K1A75902P	IC	KIA75902P QUAD OPAMP
IC505		1BA857--	IC	BA857
IC506		1BA6411--	IC	BA6411
IC601		1MB5209SY-	IC	DMB5209SY (M50726-6275P)
IC602		1TA7288P-	IC	TA7288P

LOC	A/J	PART CODE	PART NAME	PART DESC
LS01		56Z101J205	COIL PEAKING	EL0606RA-100UH J (AUTO)
LS02		56X1260464	COIL VARI	TRF-3077
LS51		56Z180J430	COIL PEAKING	EL0606RA-18UH J (AUTO)
LS52		56Z479K426	COIL PEAKING	EL0606RA-4.7UH K (AUTO)
LS53		56Z270J431	COIL PEAKING	EL0606RA-27UH J (AUTO)
LS54		56Z681J439	COIL PEAKING	EL0606RA-680UH J (AUTO)
LS55		56Z270J431	COIL PEAKING	EL0606RA-27UH J (AUTO)
LS56		56Z681J439	COIL PEAKING	EL0606RA-680UH J (AUTO)
LS57		56Z331J331	COIL PEAKING	EL0606RA-330UH J (AUTO)
LS58		56Z150J198	COIL PEAKING	EL0606RA-15UH J (AUTO)
L302		56Z101J205	COIL PEAKING	EL0606RA-100UH J (AUTO)
L303		56Z331J331	COIL PEAKING	EL0606RA-100UH J (AUTO)
L304		56Z221J435	COIL PEAKING	EL0606RA-220UH J (AUTO)
L305		56Z390J433	COIL PEAKING	EL0606RA-39UH J (AUTO)
L306		56Z101J205	COIL PEAKING	EL0606RA-100UH J (AUTO)
L307		97P8600300	CHOKE HEATER	HC-3035
L308		56Z109K229	COIL PEAKING	EL0606RA-1UH K (AUTO)
L309		56Z820J212	COIL PEAKING	EL0606RA-82 J (AUTO)
L310		56Z270J431	COIL PEAKING	EL0606RA-27UH J (AUTO)
L311		56Z181J209	COIL PEAKING	EL0606RA-181J (AUTO)
L312		56Z330J432	COIL PEAKING	EL0606RA-33UH J (AUTO)
L401		56Z479K426	COIL PEAKING	EL0606RA-4.7UH K (AUTO)
L402		56Z109K229	COIL PEAKING	EL0606RA-1UH K (AUTO)
L403		56Z109K229	COIL PEAKING	EL0606RA-1UH K (AUTO)
L406		56Z101J205	COIL PEAKING	EL0606RA-100UH J (AUTO)
L407		56Z220J201	COIL PEAKING	EL0606RA-22UH J (AUTO)
L451		56Z101J205	COIL PEAKING	EL0606RA-100UH J (AUTO)
L452		56Z330J432	COIL PEAKING	EL0606RA-33UH J (AUTO)
L453		56Z829K428	COIL PEAKING	EL0606RA-8.2UH K (AUTO)
L454		56Z102J204	COIL PEAKING	EL0606RA-1 MH J (AUTO)
L455		56Z820J212	COIL PEAKING	EL0606RA-82 J (AUTO)
QS01		TZSR2004-	TR	KSR2004 (AUTO)
QS51		TZTC1815Y-	TR	KTC1815Y (AUTO)
QS52		TZTC1815Y-	TR	KTC1815Y (AUTO)
QS53		TZTC1815Y-	TR	KTC1815Y (AUTO)
QS54		TZTC1815Y-	TR	KTC1815Y (AUTO)
QS55		TZTA1015Y-	TR	KTA1015Y (AUTO)
QS56		TZTC1815Y-	TR	KTC1815Y (AUTO)
Q301		TZTA1015Y-	TR	KTA1015Y (AUTO)
Q302		TZTA1015Y-	TR	KTA1015Y (AUTO)
Q303		TZTA1015Y-	TR	KTA1015Y (AUTO)
Q304		TZTA1015Y-	TR	KTA1015Y (AUTO)
Q305		TZTC1815Y-	TR	KTC1815Y (AUTO)
Q306		TZTC1815Y-	TR	KTC1815Y (AUTO)
Q307		TZTA1015GR	TR	KTA1015GR (AUTO)
Q308		TZTC1815Y-	TR	KTC1815Y (AUTO)
Q309		TKTA966Y-	TR	KTA966Y

LOC	A/J	PART CODE	PART NAME	PART DESC
Q310		TZSR1001--	TR	KSR1001 (AUTO)
Q403		TZTC2236Y-	TR	KTC2236Y (AUTO)
Q404		TKTA966Y-	TR	KTA966Y
Q451		TZTC1815Y-	TR	KTC1815Y (AUTO)
Q461		TZTC1815Y-	TR	KTC1815Y (AUTO)
Q501		TZTA1015Y-	TR	KTA1015Y (AUTO)
Q502		TZSR1004-	TR	KSR1004 (AUTO)
Q503		TZTA1015Y-	TR	KTA1015Y (AUTO)
Q504		TZSR1004-	TR	KSR1004 (AUTO)
Q506		TZSR1004-	TR	KSR1004 (AUTO)
Q507		TZSR1004-	TR	KSR1004 (AUTO)
Q508		TZTC1815Y-	TR	KTC1815Y (AUTO)
Q509		TZSR1004-	TR	KSR1004 (AUTO)
Q510		TZSR1004-	TR	KSR1004 (AUTO)
Q512		T2SD1273Q-	TR	2SD1273-Q CAPSTAN DRIVE
Q601		TZR1002-	TR	KSR1002 (AUTO)
Q610		TKTA966Y-	TR	KTA966Y
Q612		TZTC1815Y-	TR	KTC1815Y (AUTO)
Q613		TZTC1815Y-	TR	KTC1815Y (AUTO)
Q614		TZSR2004-	TR	KSR2004 (AUTO)
Q617		TZSR1004-	TR	KSR1004 (AUTO)
RS01		RD-AZ682J-	R CARBON FILM	1/6 6.8K OHM J
RS02		RD-AZ332J-	R CARBON FILM	1/6 6.2K OHM J
RS05		RD-AZ622J-	R CARBON FILM	1/6 6.2K OHM J
RS06		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
RS07		RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
RS08		RD-AZ122J-	R CARBON FILM	1/6 1.2K OHM J
RS09		RD-AZ154J-	R CARBON FILM	1/6 150K OHM J
RS10		RD-AZ390J-	R CARBON FILM	1/6 39 OHM J
RS11		RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J
RS12		RD-AZ104J-	R CARBON FILM	1/6 100K OHM J
RS33		RD-AZ273J-	R CARBON FILM	1/6 27K OHM J
RS54		RD-AZ822J-	R CARBON FILM	1/6 8.2K OHM J
RS55		RD-AZ681J-	R CARBON FILM	1/6 680 OHM J
RS56		RD-AZ221J-	R CARBON FILM	1/6 220 OHM J
RS57		RD-AZ222J-	R CARBON FILM	1/6 2.2K OHM J
RS58		RD-AZ271J-	R CARBON FILM	1/6 270 OHM J
RS59		RD-AZ122J-	R CARBON FILM	1/6 1.2K OHM J
RS60		RD-AZ333J-	R CARBON FILM	1/6 33K OHM J
RS61		RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
RS63		RD-AZ362J-	R CARBON FILM	1/6 3.6K OHM J
RS64		RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
RS65		RD-AZ432J-	R CARBON FILM	1/6 4.3K OHM J
RS66		RD-AZ182J-	R CARBON FILM	1/6 1.8K OHM J
RS67		RD-AZ202J-	R CARBON FILM	1/6 2K OHM J
RS68		RD-AZ204J-	R CARBON FILM	1/6 200K OHM J
RS69		RD-AZ333J-	R CARBON FILM	1/6 33K OHM J

LOC	A/J	PART CODE	PART NAME	PART DESC
RS70		RD-AZ392J-	R CARBON FILM	1/6 3.9K OHM J
RS71		RD-AZ202J-	R CARBON FILM	1/6 2K OHM J
RS72		RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J
RS73		RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J
RS74		RD-AZ101J-	R CARBON FILM	1/6 100 OHM J
RS76		RD-AZ224J-	R CARBON FILM	1/6 220K OHM J
RS80		RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
RS82		RD-AZ183J-	R CARBON FILM	1/6 18K OHM J
RS83		RD-AZ822J-	R CARBON FILM	1/6 8.2K OHM J
RS84		RD-AZ471J-	R CARBON FILM	1/6 470 OHM J
RS85		RD-AZ471J-	R CARBON FILM	1/6 1K OHM J
RS86		RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
RS87		RD-AZ222J-	R CARBON FILM	1/6 2.2K OHM J
RS88		RD-AZ101J-	R CARBON FILM	1/6 100 OHM J
RS89		RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
RS91		RD-AZ332J-	R CARBON FILM	1/6 3.3K OHM J
RS92		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
RS95		RV5417102E	R SEMI FIXED	RH-0615C 1KB HTYPE
RS96		RV5417224E	R SEMI FIXED	RH-0615C 220KB HTYPE
R301		RD-AZ561J-	R CARBON FILM	1/6 560 OHM J
R302		RD-AZ332J-	R CARBON FILM	1/6 3.3K OHM J
R303		DR320K--	THERMISTER	R-320K
R304		RD-AZ561J-	R CARBON FILM	1/6 560 OHM J
R305		RD-AZ332J-	R CARBON FILM	1/6 3.3K OHM J
R306		RD-AZ822J-	R CARBON FILM	1/6 8.2K OHM J
R307		RD-AZ682J-	R CARBON FILM	1/6 6.8K OHM J
R308		RD-AZ123J-	R CARBON FILM	1/6 12K OHM J
R309		RD-AZ332J-	R CARBON FILM	1/6 3.3K OHM J
R310		RD-AZ621J-	R CARBON FILM	1/6 620 OHM J
R311		RD-AZ274J-	R CARBON FILM	1/6 270K OHM J
R312		RD-AZ302J-	R CARBON FILM	1/6 3K OHM J
R313		RD-AZ623J-	R CARBON FILM	1/6 62K OHM J
R314		RD-AZ182J-	R CARBON FILM	1/6 1.8K OHM J
R315		RD-AZ624J-	R CARBON FILM	1/6 620K OHM J
R316		RD-AZ222J-	R CARBON FILM	1/6 2.2K OHM J
R317		RD-AZ272J-	R CARBON FILM	1/6 2.7K OHM J
R318		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R319		RD-AZ474J-	R CARBON FILM	1/6 470K OHM J
R320		RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R321		RD-AZ241J-	R CARBON FILM	1/6 240 OHM J
R322		RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R323		RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R324		RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R325		RD-AZ471J-	R CARBON FILM	1/6 470 OHM J
R326		RD-AZ222J-	R CARBON FILM	1/6 2.2K OHM J
R327		RD-AZ272J-	R CARBON FILM	1/6 2.7K OHM J
R328		RD-AZ821J-	R CARBON FILM	1/6 820 OHM J

LOC	AJ	PART CODE	PART NAME	PART DESC
R329		RD-AZ273J-	R CARBON FILM	1/6 27K OHM J
R331		RD-AZ155J-	R CARBON FILM	1/6 1.5M OHM J
R332		RD-AZ474J-	R CARBON FILM	1/6 470K OHM J
R333		RD-AZ821J-	R CARBON FILM	1/6 820 OHM J
R334		RD-AZ331J-	R CARBON FILM	1/6 330 OHM J
R335		RD-AZ681J-	R CARBON FILM	1/6 680 OHM J
R336		RD-AZ683J-	R CARBON FILM	1/6 68K OHM J
R337		RD-AZ333J-	R CARBON FILM	1/6 33K OHM J
R338		RD-AZ222J-	R CARBON FILM	1/6 2.2K OHM J
R339		RD-AZ153J-	R CARBON FILM	1/6 15K OHM J
R340		RD-AZ222J-	R CARBON FILM	1/6 2.2K OHM J
R341		RD-AZ821J-	R CARBON FILM	1/6 820 OHM J
R342		RD-AZ122J-	R CARBON FILM	1/6 1.2K OHM J
R343		RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R344		RD-AZ222J-	R CARBON FILM	1/6 2.2K OHM J
R345		RD-AZ222J-	R CARBON FILM	1/6 2.2K OHM J
R346		RD-AZ152J-	R CARBON FILM	1/6 1.5K OHM J
R347		RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J
R348		RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R349		RD-AZ152J-	R CARBON FILM	1/6 1.5K OHM J
R350		RD-AZ132J-	R CARBON FILM	1/6 1.3K OHM J
R351		RD-AZ151J-	R CARBON FILM	1/6 150 OHM J
R352		RD-AZ112J-	R CARBON FILM	1/6 1.1K OHM J
R353		RD-AZ221J-	R CARBON FILM	1/6 220 OHM J
R354		RD-AZ911J-	R CARBON FILM	1/6 910 OHM J
R355		RD-AZ162G-	R CARBON FILM	1/6 1.6K OHM G
R356		RD-AZ362J-	R CARBON FILM	1/6 3.6K OHM J
R357		RD-AZ272J-	R CARBON FILM	1/6 2.7K OHM J
R359		RD-AZ564J-	R CARBON FILM	1/6 560K OHM J
R360		DR320K--	THERMISTER	R-320K
R361		RD-AZ821J-	R CARBON FILM	1/6 820 OHM JJ
R362		RD-AZ182J-	R CARBON FILM	1/6 1.8K OHM J
R363		RD-AZ273J-	R CARBON FILM	1/6 27K OHM J
R364		RD-AZ155J-	R CARBON FILM	1/6 1.5M OHM J
R365		RD-AZ203J-	R CARBON FILM	1/6 20K OHM J
R366		RD-AZ372J-	R CARBON FILM	1/6 470 OHM J
R367		RD-AZ431J-	R CARBON FILM	1/6 430 OHM J
R368		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R369		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R370		RD-AZ222J-	R CARBON FILM	1/6 2.2K OHM J
R374		RD-AZ473J-	R CARBON FILM	1/6 47K OHM J
R376		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R391		RV5417103E	R SEMI FIXED	RH-0615C 10KB H-TYPE
R392		RV5417103E	R SEMI FIXED	RH-0615C 10KB H-TYPE
R393		RV5417103E	R SEMI FIXED	RH-0615C 10KB H-TYPE
R394		RV5417103E	R SEMI FIXED	RH-0615C 10KB H-TYPE
R395		RV5417221E	R SEMI FIXED	RH-0615C 220B H-TYPE

LOC	AJ	PART CODE	PART NAME	PART DESC
R396		RV5417103E	R SEMI FIXED	RH-0615C 10KB H-TYPE
R397		RV5417103E	R SEMI FIXED	RH-0615C 10KB H-TYPE
R401		RD-AZ221J-	R CARBON FILM	1/6 220 OHM J
R402		RD-AZ821J-	R CARBON FILM	1/6 820 OHM J
R403		RD-AZ821J-	R CARBON FILM	1/6 820 OHM J
R404		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R405		RD-AZ332J-	R CARBON FILM	1/6 3.3K OHM J
R406		RD-AZ152J-	R CARBON FILM	1/6 1.5K OHM J
R407		RD-AZ471J-	R CARBON FILM	1/6 470 OHM J
R408		RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R409		RD-AZ471J-	R CARBON FILM	1/6 470 OHM J
R410		RD-AZ152J-	R CARBON FILM	1/6 1.5K OHM J
R411		RD-AZ332J-	R CARBON FILM	1/6 3.3K OHM J
R412		RD-AZ182J-	R CARBON FILM	1/6 1.8K OHM J
R413		RD-AZ392J-	R CARBON FILM	1/6 3.9K OHM J
R414		RD-AZ392J-	R CARBON FILM	1/6 3.9K OHM J
R422		RD-AZ821J-	R CARBON FILM	1/6 820 OHM J
R423		RD-AZ152J-	R CARBON FILM	1/6 1.5K OHM J
R424		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R425		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R452		RD-AZ511J-	R CARBON FILM	1/6 510 OHM J
R453		RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R454		RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R455		RD-AZ101J-	R CARBON FILM	1/6 100 OHM J
R456		RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R457		RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R461		RD-AZ104J-	R CARBON FILM	1/6 100K OHM J
R462		RD-AZ164J-	R CARBON FILM	1/6 160K OHM J
R463		RD-AZ123J-	R CARBON FILM	1/6 12K OHM J
R464		RD-AZ335J-	R CARBON FILM	1/6 3.3K OHM J
R491		RD-AZ821J-	R CARBON FILM	1/6 820 OHM J
R501		RD-AZ474J-	R CARBON FILM	1/6 470K OHM J
R502		RD-AZ471J-	R CARBON FILM	1/6 470 OHM J
R503		RD-AZ473J-	R CARBON FILM	1/6 47K OHM J
R504		RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J
R505		RD-AZ471J-	R CARBON FILM	1/6 470 OHM J
R506		RD-AZ512J-	R CARBON FILM	1/6 5.1K OHM J
R507		RD-AZ225J-	R CARBON FILM	1/6 2.2M OHM J
R508		RD-AZ913J-	R CARBON FILM	1/6 91K OHM J
R509		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R510		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R516		RD-AZ332J-	R CARBON FILM	1/6 3.3K OHM J
R517		RD-AZ333J-	R CARBON FILM	1/6 33K OHM J
R518		RD-AZ333J-	R CARBON FILM	1/6 33K OHM J
R522		RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R523		RD-AZ202J-	R CARBON FILM	1/6 2K OHM J
R524		RD-AZ393J-	R CARBON FILM	1/6 39K OHM J

LOC	A/J	PART CODE	PART NAME	PART DESC
R526		RD-AZ122J-	R CARBON FILM	1/6 1.2K OHM J
R527		RD-AZ301J-	R CARBON FILM	1/6 300 OHM J
R528		RD-AZ301J-	R CARBON FILM	1/6 300 OHM J
R529		RD-AZ104J-	R CARBON FILM	1/6 100K OHM J
R530		RD-AZ333J-	R CARBON FILM	1/6 33K OHM J
R531		RD-AZ154J-	R CARBON FILM	1/6 150K OHM J
R532		RD-AZ154J-	R CARBON FILM	1/6 150K OHM J
R533		RD-AZ204J-	R CARBON FILM	1/6 200K OHM J
R534		RD-AZ104J-	R CARBON FILM	1/6 100K OHM J
R535		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R537		RD-AZ302J-	R CARBON FILM	1/6 3K OHM J
R538		RD-AZ225J-	R CARBON FILM	1/6 2.2M OHM J
R539		RD-AZ473J-	R CARBON FILM	1/6 47K OHM J
R542		RD-AZ222J-	R CARBON FILM	1/6 2.2K OHM J
R554		RD-AZ104J-	R CARBON FILM	1/6 100K OHM J
R555		RD-AZ124J-	R CARBON FILM	1/6 120K OHM J
R557		RD-AZ102J-	R CARBON FILM	1/6 1KK OHM J
R558		RD-AZ562J-	R CARBON FILM	1/6 5.6K OHM J
R564		RD-AZ820J-	R CARBON FILM	1/6 82 OHM J
R565		RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R566		RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J
R567		RD-AZ105J-	R CARBON FILM	1/6 1M OHM J
R568		RD-AZ474J-	R CARBON FILM	1/6 470K OHM J
R569		RD-AZ624J-	R CARBON FILM	1/6 620K OHM J
R570		RD-AZ225J-	R CARBON FILM	1/6 2.2M OHM J
R571		RD-AZ684J-	R CARBON FILM	1/6 680K OHM J
R572		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R573		RD-AZ224J-	R CARBON FILM	1/6 220K OHM J
R576		RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J
R577		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R578		RD-AZ153J-	R CARBON FILM	1/6 15K OHM J
R580		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R581		RD-AZ302J-	R CARBON FILM	1/6 3K OHM J
R582		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R591		RV5417477E	R SEMI FIXED	RH-0615C 470KB H-TYPE
R594		RV5417104E	R SEMI FIXED	RH-0615C 100KB (H TYPE)
R595		RV5417104E	R SEMI FIXED	RH-0615C 100KB (H TYPE)
R596		RV5417224E	R SEMI FIXED	RH-0615C 220KB H-TYPE
R597		RV5417224E	R SEMI FIXED	RH-0615C 220KB H-TYPE
R601		RD-AZ222J-	R CARBON FILM	1/6 2.2K OHM J
R603		RD-AZ222J-	R CARBON FILM	1/6 2.2K OHM J
R604		RD-AZ222J-	R CARBON FILM	1/6 2.2K OHM J
R605		RD-AZ222J-	R CARBON FILM	1/6 2.2K OHM J
R606		RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R607		RD-AZ222J-	R CARBON FILM	1/6 2.2K OHM J
R608		RD-AZ102J-	R CARBON FILM	1/6 1K OHM J

LOC	A/J	PART CODE	PART NAME	PART DESC
R609		RD-AZ222J-	R CARBON FILM	1/6 2.2K OHM J
R610		RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J
R611		RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J
R612		RD-AZ331J-	R CARBON FILM	1/6 330 OHM J
R613		RD-AZ361J-	R CARBON FILM	1/6 360 OHM J
R614		RD-AZ751J-	R CARBON FILM	1/6 750 OHM J
R615		RD-AZ152J-	R CARBON FILM	1/6 1.5K OHM J
R620		RD-AZ274J-	R CARBON FILM	1/6 270K OHM J
R621		RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J
R622		RD-AZ432J-	R CARBON FILM	1/6 4.3K OHM J
R625		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R626		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R629		RD-AZ101J-	R CARBON FILM	1/6 100 OHM J
R630		RD-AZ471J-	R CARBON FILM	1/6 470 OHM J
R631		RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J
R632		RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J
R633		RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J
R634		RD-AZ222J-	R CARBON FILM	1/6 2.2K OHM J
R636		RD-AZ202J-	R CARBON FILM	1/6 2K OHM J
R637		RD-AZ432J-	R CARBON FILM	1/6 4.3K OHM J
R638		RD-AZ222J-	R CARBON FILM	1/6 2.2K OHM J
R639		RD-AZ222J-	R CARBON FILM	1/6 2.2K OHM J
R640		RD-AZ222J-	R CARBON FILM	1/6 2.2K OHM J
R646		RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J
R647		RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J
R649		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R652		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R653		RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J
R654		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R656		RD-AZ222J-	R CARBON FILM	1/6 2.2K OHM J
R657		RD-AZ431J-	R CARBON FILM	1/6 430 OHM J
R658		RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J
R659		RD-AZ301J-	R CARBON FILM	1/6 300 OHM J
R660		RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J
R661		RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J
R662		RS02H399JF	R M-OXIDE	2W 3.9 OHM J FLAME PROOF
R663		RD-AZ221J-	R CARBON FILM	1/6 220 OHM J
R664		RD-AZ681J-	R CARBON FILM	1/6 680 OHM J
R665		RD-AZ681J-	R CARBON FILM	1/6 680 OHM J
R667		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
X551		5P4R43HC40	CRYSTAL	4.43MHz
X552		5PEFDDBR124	FILTER COMB	EFD-BR124A13H
ZS01		5PSFE416MB	FILTER CERA	SFE 4.16MB
ZS51		5PDBLP1006	FILTER LC	DBLP1006 4.43MHZ, 1.6MHZ
ZS52		5PDB1007-	FILTER LC	DBP1007 5.06MHZ
Z301		5PDLP1005-	FILTER LC	DLP1005 3.0MHZ

**8-2-2. MAIN PCB ASS'Y (VCR-32DAD)**

LOC	AJ	PART CODE	PART NAME	PART DESC
CS01		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
CS02		CCXB1H102K	C CERA	HIKB 50V 1000PF K TAPING
CS03		CMYB1H563J	C MYLAR	50V 0.056 J
CS04		CEXE1A330A	C ELECTRO	10V 33MF 5x11
CS05		CEE1A470A	C ELECTRO	10V 47MF 5x11 RS TAPING
CS06		CEXE1A330A	C ELECTRO	10V 33MF 5x11
CS07		CEXE1H478A	C ELECTRO	50V 0.47MF RS=5x11 TAPING
CS53		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
CS54		CEXE1H109A	C ELECTRO	50V 1MF RS=5x11 TAPING
CS57		CCSF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
CS58		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
CS59		CEXE1C220A	C ELECTRO	16V 22MF RS=5x11 TAPING
CS60		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
CS61		CMXM1H333J	C MYLAR	50V 0.033MF J
CS62		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
CS63		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
CS65		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
CS66		CEXE1H109A	C ELECTRO	50V 1MF RS=5x11 TAPING
CS67		CEXE1C220A	C ELECTRO	16V 22MF RS=5x11 TAPING
CS68		CEXE1H109A	C ELECTRO	50V 1MF RS=5x11 TAPING
CS69		CXSL1H201J	C CERA	SL 50V 200PF J R/T
CS70		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
CS71		CEXE1C220A	C ELECTRO	16V 22MF RS=5x11 TAPING
CS72		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
CS73		CXSL1H390J	C CERA	SL 50V 39PF J TAPING
CS74		CCXB1H222K	C CERA	HIKB 50V 2200PF K TAPING
CS75		CEXE1H109A	C ELECTRO	50V 1MF RS=5x11 TAPING
CS76		CCXB1H392K	C CERA	HIKB 50V 3900PF K TAPING
CS77		CEXE1H109A	C ELECTRO	50V 1MF RS=5x11 TAPING
CS78		CXSL1H330J	C CERA	SL 50V 33PF J TAPING
CS79		CXCH1H470J	C CERA	CH 50V 47PF J TAPING
CS80		CXCH1H470J	C CERA	CH 50V 47PF J TAPING
CS81		CXSL1H220J	C CERA	SL 50V 22PF J TAPING
CS83		CXSL1H101J	C CERA	SL 50V 100PF J TAPING
CS84		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
CS85		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
CS86		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
CS87		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
CS88		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
CS89		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
CS90		CXSL1H300J	C CERA	SL 50V 30PF J TAPING
CS91		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
CS92		CMXM1H104J	C MYLAR	50V 0.1MF J
CS93		CXSL1H471J	C CERA	SL 50V 470PF J TAPING
CS94		CXCH1H470J	C CERA	CH 50V 47PF J TAPING

LOC	AJ	PART CODE	PART NAME	PART DESC
CS95		CXSL1H101J	C CERA	SL 50V 100PF J TAPING
C301		CXSL1H820J	C CERA	SL 50V 82PF J TAPING
C302		CXSL1H130J	C CERA	SL 50V 13PF J TAPING
C303		CXSL1H820J	C CERA	SL 50V 82PF J TAPING
C304		CXSL1H120J	C CERA	SL 50V 12PF J TAPING
C305		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C306		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C307		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C308		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C309		CCXB1H820K	C CERA	HIKB 50V 8200PF K TAPING
C310		CXSL1H151J	C CERA	SL 50V 150PF J TAPING
C311		CXCH1H101J	C CERA	CH 50V 100PF J TAPING
C312		CEXE1C100A	C ELECTRO	16V 10MF RS=5x11 TAPING
C313		CXSL1H680J	C CERA	SL 50V 68PF J TAPING
C314		CXSL1H750J	C CERA	SL 50V 75PF J
C315		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C316		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C317		CEXE1A101A	C ELECTRO	10V 100MF RS 6.3x11 TAPING
C318		CBXF1H104Z	C CERA SEMI	HIKF 50V 0.1MF Z TAPING
C319		CEXE1H109A	C ELECTRO	50V 1MF RS=5x11 TAPING
C320		CEXE1E479A	C ELECTRO	25V 4.7MF RS TAPING
C321		CEXE1H478A	C ELECTRO	50V 0.47MF RS=5x11 TAPNG
C322		CEXE1C330A	C ELECTRO	16V 33MF RS 5x11 TAPING
C323		CEXE1H478A	C ELECTRO	50V 0.47MF RS=5x11 TAPING
C324		CEXE1A470A	C ELECTRO	10V 47MF 5x11 RS TAPING
C325		CXSL1H510J	C CERA	SL 50V 51PF J
C326		CXSL1H151J	C CERA	SL 50V 150PF J TAPING
C327		CEXE1H100A	C ELECTRO	50V 10MF RS 5x11 TAPING
C328		CEXE1H109A	C ELECTRO	50V 1MF RS=5x11 TAPING
C329		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C330		CEXE1A470A	C ELECTRO	10V 47MF 5x11 RS TAPING
C331		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C332		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C333		CEXE1E479A	C ELECTRO	25V 4.7MF RS TAPING
C334		CXSL1H101J	C CERA	SL 50V 100PF J TAPING
C335		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C336		CXSL1H271J	C CERA	SL 50V 270PF J TAPING
C337		CEXE1H109A	C ELECTRO	50V 1MF RS=5x11 TAPING
C338		CEXE1E479A	C ELECTRO	25V 4.7MF RS TAPING
C339		CXSL1H101J	C CERA	SL 50V 100PF J TAPING
C340		CXSL1H470J	C CERA	SL 50V 47PF J TAPING
C341		CEXE1H109A	C ELECTRO	50V 1MF RS=5x11 TAPING
C342		CEXE1H339A	C ELECTRO	50V 3.3MF RS 5x11 TAPING
C343		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C344		CXSL1H101J	C CERA	SL 50V 100PF J TAPING

LOC	A/J	PART CODE	PART NAME	PART DESC	LOC	A/J	PART CODE	PART NAME	PART DESC
C345		CXSL1H390J	C CERA	SL 50V 39PF J TAPING	C462		CEXE1H478A	C ELECTRO	50V 0.47MF RS=5x11 TAPING
C346		CMXF2D474J	C MYLAR	CQ93 200V 0.47MF J (MPP)	C501		CEXE0J100A	C ELECTRO	6.3V 10MF RS=6.0x11 TAPING
C347		CEXE1E479A	C ELECTRO	25V 4.7MF RS TAPING	C502		CEXE1C330A	C ELECTRO	16V 33MF RS=5x11 TAPING
C348		CEXE1H109A	C ELECTRO	50V 1MF RS=5x11 TAPING	C503		CEXE0J100A	C ELECTRO	6.3V 10MF RS=6.3x11 TAPING
C349		CEXE1C470A	C ELECTRO	16V 47MF RS 6.3x11 TAPING	C504		CEXE0J100A	C ELECTRO	6.3V 10MF RS=6.3x11 TAPING
C350		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING	C505		CEXE0J100A	C ELECTRO	6.3V 10MF RS=6.3x11 TAPING
C351		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING	C506		CEXE1A470A	C ELECTRO	10V 47MF 5x11 RS TAPING
C352		CEXE1C470A	C ELECTRO	16V 47MF RS 6.3x11 TAPING	C507		CMXM1H473J	C MYLAR	50V 0.047MF J
C353		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING	C508		CMXM1H333J	C MYLAR	50V 0.033MF J
C354		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING	C509		CCXB1H102K	C CERA	HIKB 50V 1000PF K TAPING
C355		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING	C511		CEXE0J100A	C ELECTRO	6.3V 10MF RS=6.3x11 TAPING
C356		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING	C513		CMXM1H122J	C MYLAR	50V 0.0012MF JJ
C358		CXSL1H470J	C CERA	SL-50V 47PF J-TAPING	C514		CMXM1H223J	C MYLAR	-50V 0.022MF J INDUCT
C359		CXSL1H181J	C CERA	SL 50V 180PF J TAPING	C515		CMXM1H223J	C MYLAR	50V 0.022MF J INDUCT
C360		CEXE1A470A	C ELECTRO	10V 47MF 5x11 RS TAPING	C516		CEXE1H109A	C ELECTRO	50V 1MF RS=5x11 TAPING
C361		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING	C521		CBXF1H104Z	C CERA SEMI	HIKF 50V 0.1MF Z TAPING
C362		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING	C522		CBXF1H104Z	C CERA SEMI	HIKF 50V 0.1MF Z TAPING
C363		CXSL1H331J	C CERA	SL 50V 330PF J TAPING	C523		CEXE0J479A	C ELECTRO	6.3V 4.7MF RS
C364		CMXM1H104J	C MYLAR	50V 0.1MF J	C526		CMXM1H103J	C MYLAR	50V 0.01MF J
C365		CXSL1H150J	C CERA	SL 50V 15PF J TAPING	C527		CMXM1H223J	C MYLAR	50V 0.022MF J INDUCT
C401		CXCH1H470J	C CERA	CH 50V 47PF J TAPING	C528		CMXM1H223J	C MYLAR	50V 0.022MF J INDUCT
C402		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING	C529		CMXM1H473J	C MYLAR	50V 0.047MF J
C403		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING	C530		CEXE1A479A	C ELECTRO	10V 4.7MF RS TAPING
C404		CEXE1A470A	C ELECTRO	10V 47MF 5x11 RS TAPING	C531		CMXM1H472J	C MYLAR	50V 0.0047MF J
C405		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING	C532		CMXM1H473J	C MYLAR	50V 0.047MF J
C406		CEXE1H109A	C ELECTRO	50V 1MF RS=5x11 TAPING	C534		CMXM1H104J	C MYLAR	50V 0.1MF J
C407		CEXE1C220A	C ELECTRO	16V 22MF RS=5x11 TAPING	C535		CMXM1H103J	C MYLAR	50V 0.01MF J
C408		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING	C536		CEXE1A470A	C ELECTRO	10V 47MF 5x11 RS TAPING
C409		CEXE1H109A	C ELECTRO	50V 1MF RS=5x11 TAPING	C537		CEXE1A470A	C ELECTRO	10V 47MF 5x11 RS TAPING
C410		CEXE1H478A	C ELECTRO	50V 0.47MF RS=5x11 TAPING	C538		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C411		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING	C539		CEXE1C470A	C ELECTRO	16V 47MF RS 6.3x11 TAPING
C414		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING	C550		CCXB1H102K	C CERA	HIKB 50V 1000PF K TAPING
C418		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING	C551		CEXE1H109A	C ELECTRO	50V 1MF RS=5x11 TAPING
C419		CEXE1C220A	C ELECTRO	16V 22MF RS=5x11 TAPING	C553		CEXE1A470A	C ELECTRO	10V 47MF 5x11 RS TAPING
C420		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING	C554		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C421		CEXE1C220A	C ELECTRO	16V 22MF RS=5x11 TAPING	C555		CBXF1H104Z	C CERA SEMI	HIKF 50V 0.1MF Z TAPING
C422		CEXE1C330A	C ELECTRO	16V 33MF RS=5x11 TAPING	C601		CEXE1C100A	C ELECTRO	16V 10MF RS=5x11 TAPING
C449		CXCH1H470J	C CERA	CH 50V 47PF J TAPING	C602		CBXF1H104Z	C CERA SEMI	HIKF 50V 0.1MF Z TAPING
C451		CXSL1H511J	C CERA	SL 50V 510PF J	C603		CBXF1H104Z	C CERA SEMI	HIKF 50V 0.1MF Z TAPING
C452		CXSL1H709D	C CERA	SL 50V 7PF D	C604		CEXE1A101A	C ELECTRO	10V 100MF RS=6.3x11 TAPING
C453		CXSL1H150J	C CERA	SL 50V 15PF J TAPING	C605		CEXE1C470A	C ELECTRO	16V 47MF RS=6.3x11 TAPING
C455		CXSL1H101J	C CERA	SL 50V 100PF J TAPING	C606		CCSF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C457		CMXM1H104J	C MYLAR	50V 0.1MF J	C607		CCXF1H102Z	C CERA	HIKF 50V 1000PF Z TAPING
C458		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING	C609		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C459		CXSL1H180J	C CERA	SL 50V 18PF J TAPING	C611		CCXB1H102K	C CERA	HIKB 50V 1000PF K TAPING
C460		CCXB1H102K	C CERA	HIKB 50V 1000PF K TAPING	C612		CEXE1E470A	C ELECTRO	25V 47MF RS=6.3x11 TAPING
C461		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING	C613		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING

LOC	A/J	PART CODE	PART NAME	PART DESC
C614		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C615		CEXF1H102A	C ELECTRO	10V 1000MF RSM 18x20
C616		CBXF1H104Z	C CERA SEMI	HIKF 50V 0.1MF Z TAPING
C617		CBXF1H104Z	C CERA SEMI	HIKF 50V 0.1MF Z TAPING
DS51		DZN4148--	DIODE	1N4148 (AUTO)
D301		DZN4148--	DIODE	1N4148 (AUTO)
D302		DZN4148--	DIODE	1N4148 (AUTO)
D304		DZN4148--	DIODE	1N4148 (AUTO)
D305		DUZ7R5BM-	DIODE ZENER	UZ-7.5BM 7.5V
D306		DZN4148--	DIODE	1N4148 (AUTO)
D401		DZN4148--	DIODE	1N4148 (AUTO)
D402		DZN4148--	DIODE	1N4148 (AUTO)
D502		DZN4148--	DIODE	1N4148 (AUTO)
D506		DZN4148--	DIODE	1N4148 (AUTO)
D507		DZN4148--	DIODE	1N4148 (AUTO)
D510		DZN4148--	DIODE	1N4148 (AUTO)
D512		DZN4148--	DIODE	1N4148 (AUTO)
D513		DZN4148--	DIODE	1N4148 (AUTO)
D601		DZN4148--	DIODE	1N4148 (AUTO)
D603		DZN4148--	DIODE	1N4148 (AUTO)
D604		DZN4148--	DIODE	1N4148 (AUTO)
D606		DZN4148--	DIODE	1N4148 (AUTO)
D607		DUZ3R9B-	DIODE ZENER	UZ-3.9B
ICS01		1BA7025L-	IC	BA7025L
ICS51		1TA8644N-	IC	TA8644N (COLOR PROCESS)
IC301		1TA8605AN-	IC	TA8605AN (YPROCESS)
IC302		1TA8606N-	IC	TA8606N
IC303		1TL8709P-	IC	TL8709P (1H DELAY CCD/PAL)
IC401		1TA7772P-	IC	TA7772P
IC402		1TA8607P-	IC	TA8607P
IC501		1DTS02PA4-	IC	DTS02PA4
IC502		1TA8618S-	IC	TA8618S
IC503		1K1A75902P	IC	KIA75902P QUAD OPAMP
IC506		1BA6411-	IC	BA6411
IC601		1MB5209SY-	IC	DMB5209SY (M50726-627SP)
IC602		1TA7288P-	IC	TA7288P
LS01		56Z101J205	COIL PEAKING	EL0606RA-100UH J (AUTO)
LS02		56X1260464	COIL VARI	TRF-3077
LS51		56Z180J430	COIL PEAKING	EL0606RA-18UH J (AUTO)
LS52		56Z479K426	COIL PEAKING	EL0606RA-4.7UH K (AUTO)
LS53		56Z270J431	COIL PEAKING	EL0606RA-27UH J (AUTO)
LS54		56Z681J439	COIL PEAKING	EL0606RA-680UH J (AUTO)
LS55		56Z270J431	COIL PEAKING	EL0606RA-27UH J (AUTO)
LS56		56Z681J439	COIL PEAKING	EL0606RA-680UH J (AUTO)
LS57		56Z331J331	COIL PEAKING	EL0606RA-330UH J (AUTO)
LS58		56Z150J198	COIL PEAKING	EL0606RA-15UH J (AUTO)
L302		56Z101J205	COIL PEAKING	EL0606RA-100UH J (AUTO)

LOC	A/J	PART CODE	PART NAME	PART DESC
L303		56Z331J331	COIL PEAKING	EL0606RA-330UH J (AUTO)
L304		56Z221J435	COIL PEAKING	EL0606RA-220UH J (AUTO)
L305		56Z390J433	COIL PEAKING	EL0606RA-39UH J (AUTO)
L306		56Z101J205	COIL PEAKING	EL0606RA-100UH J (AUTO)
L307		97P8600300	CHOKE HEATER	HC-3035
L308		56Z109K229	COIL PEAKING	EL0606RA-1UH K (AUTO)
L309		56Z820J212	COIL PEAKING	EL0606RA-82J (AUTO)
L310		56Z270J431	COIL PEAKING	EL0606RA-27UH J (AUTO)
L311		56Z181J209	COIL PEAKING	EL0606RA-18J (AUTO)
L312		56Z330J432	COIL PEAKING	EL0606RA-33UH J (AUTO)
L401		56Z479K426	COIL PEAKING	EL0606RA-4.7UH K (AUTO)
L402		56Z109K229	COIL PEAKING	EL0606RA-1UH K (AUTO)
L403		56Z109K229	COIL PEAKING	EL0606RA-1UH K (AUTO)
L406		56Z101J205	COIL PEAKING	EL0606RA-100UH J (AUTO)
L407		56Z220J201	COIL PEAKING	EL0606RA-22UH J (AUTO)
L451		56Z101J205	COIL PEAKING	EL0606RA-100UH J (AUTO)
L452		56Z330J432	COIL PEAKING	EL0606RA-33UH J (AUTO)
L453		56Z829K428	COIL PEAKING	EL0606RA-8.2UH K (AUTO)
L454		56Z102J204	COIL PEAKING	EL0606RA-1MH J (AUTO)
L455		56Z820J212	COIL PEAKING	EL0606RA-EL0606RA-82 J (AUTO)
QS01		TZSR2004-	TR	KSR2004 (AUTO)
QS51		TZTC1815Y-	TR	KTC1815Y (AUTO)
QS52		TZTC1815Y-	TR	KTC1815Y (AUTO)
QS53		TZTC1815Y-	TR	KTC1815Y (AUTO)
QS54		TZTC1815Y-	TR	KTC1815Y (AUTO)
QS55		TZTA1015Y-	TR	KTA1015Y (AUTO)
QS56		TZTC1815Y-	TR	KTC1815Y (AUTO)
Q301		TZTA1015Y-	TR	KTA1015Y (AUTO)
Q302		TZTA1015Y-	TR	KTA1015Y (AUTO)
Q303		TZTA1015Y-	TR	KTA1015Y (AUTO)
Q304		TZTA1015Y-	TR	KTA1015Y (AUTO)
Q305		TZTC1815Y-	TR	KTC1815Y (AUTO)
Q306		TZTC1815Y-	TR	KTC1815Y (AUTO)
Q307		TZTA1015GR	TR	KTA1015GR (AUTO)
Q308		TZTC1815Y-	TR	KTC1815Y (AUTO)
Q309		TKTA966Y-	TR	KTA966Y
Q310		TZSR1001-	TR	KSR1001 (AUTO)
Q403		TZTC2236Y-	TR	KTC2236Y (AUTO)
Q404		TKTA966Y-	TR	KTA966Y
Q451		TZTC1815Y-	TR	KTC1815Y (AUTO)
Q461		TZTC1815Y-	TR	KTC1815Y (AUTO)
Q502		TZSR1004-	TR	KSR1004 (AUTO)
Q504		TZSR1004-	TR	KSR1004 (AUTO)
Q506		TZSR1004-	TR	KSR1004 (AUTO)
Q507		TZTC1815Y-	TR	KTC1815Y (AUTO)
Q509		TZSR1004-	TR	KSR1004 (AUTO)
Q512		T2SD1273Q-	TR	2SD1273-Q CAPSTAN DRIVE

LOC	A/J	PART CODE	PART NAME	PART DESC
Q601		TZSR1002-	TR	KSR1002 (AUTO)
Q610		TKTA966Y-	TR	KTA966Y
Q612		TZTA1015Y-	TR	KTC1815Y (AUTO)
Q613		TZTC1815Y-	TR	KTC1815Y (AUTO)
Q614		TZSR2004-	TR	KSR2004 (AUTO)
Q617		TZSR1004-	TR	KSR1004 (AUTO)
RS01		RD-AZ682J-	R CARBON FILM	1/6 6.8K OHM J
RS02		RD-AZ332J-	R CARBON FILM	1/6 3.3K OHM J
RS05		RD-AZ622J-	R CARBON FILM	1/6 6.2K OHM J
RS06		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
RS07		RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
RS08		RD-AZ222J-	R CARBON FILM	1/6 2.2K OHM J
RS09		RD-AZ154J-	R CARBON FILM	1/6 150K OHM J
RS10		RD-AZ390J-	R CARBON FILM	1/6 39 OHM J
RS11		RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J
RS12		RD-AZ104J-	R CARBON FILM	1/6 100K OHM J
RS53		RD-AZ273J-	R CARBON FILM	1/6 27K OHM J
RS54		RD-AZ822J-	R CARBON FILM	1/6 8.2K OHM J
RS55		RD-AZ681J-	R CARBON FILM	1/6 680 OHM J
RS56		RD-AZ221J-	R CARBON FILM	1/6 220 OHM J
RS57		RD-AZ222J-	R CARBON FILM	1/6 2.2K OHM J
RS58		RD-AZ271J-	R CARBON FILM	1/6 270 OHM J
RS59		RD-AZ122J-	R CARBON FILM	1/6 1.2K OHM J
RS60		RD-AZ333J-	R CARBON FILM	1/6 33K OHM J
RS61		RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
RS63		RD-AZ362J-	R CARBON FILM	1/6 3.6K OHM J
RS64		RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
RS65		RD-AZ432J-	R CARBON FILM	1/6 4.3K OHM J
RS66		RD-AZ182J-	R CARBON FILM	1/6 1.8K OHM J
RS67		RD-AZ202J-	R CARBON FILM	1/6 2K OHM J
RS68		RD-AZ204J-	R CARBON FILM	1/6 200K OHM J
RS69		RD-AZ333J-	R CARBON FILM	1/6 33K OHM J
RS70		RD-AZ392J-	R CARBON FILM	1/6 3.9K OHM J
RS71		RD-AZ202J-	R CARBON FILM	1/6 2K OHM J
RS72		RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J
RS73		RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J
RS74		RD-AZ101J-	R CARBON FILM	1/6 100 OHM J
RS76		RD-AZ224J-	R CARBON FILM	1/6 220K OHM J
RS80		RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
RS82		RD-AZ183J-	R CARBON FILM	1/6 18K OHM J
RS83		RD-AZ822J-	R CARBON FILM	1/6 8.2K OHM J
RS84		RD-AZ471J-	R CARBON FILM	1/6 470 OHM J
RS85		RD-AZ471J-	R CARBON FILM	1/6 470 OHM J
RS86		RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
RS87		RD-AZ222J-	R CARBON FILM	1/6 2.2K OHM J
RS88		RD-AZ101J-	R CARBON FILM	1/6 100 OHM J
RS89		RD-AZ102J-	R CARBON FILM	1/6 1K OHM J

LOC	A/J	PART CODE	PART NAME	PART DESC
RS90		RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
RS91		RD-AZ332J-	R CARBON FILM	1/6 3.3K OHM J
RS92		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
RS95		RV5417102E	R SEMI FIXED	RH-0615C 1KB H-TYPE
RS96		RV5417224E	R SEMI FIXED	RH-0615C 220KB H-TYPE
R301		RD-AZ561J-	R CARBON FILM	1/6 560 OHM J
R302		RD-AZ332J-	R CARBON FILM	1/6 3.3K OHM J
R303		DR320K--	THERMISTER	R-320K
R304		RD-AZ561J-	R CARBON FILM	1/6 560 OHM J
R305		RD-AZ332J-	R CARBON FILM	1/6 3.3K OHM J
R306		RD-AZ822J-	R CARBON FILM	1/6 8.2K OHM J
R307		RD-AZ682J-	R CARBON FILM	1/6 6.8K OHM J
R308		RD-AZ123J-	R CARBON FILM	1/6 12K OHM J
R309		RD-AZ332J-	R CARBON FILM	1/6 3.3K OHM J
R310		RD-AZ621J-	R CARBON FILM	1/6 620 OHM J
R311		RD-AZ274J-	R CARBON FILM	1/6 270 OHM J
R312		RD-AZ302J-	R CARBON FILM	1/6 3K OHM J
R313		RD-AZ623J-	R CARBON FILM	1/6 62K OHM J
R314		RD-AZ182J-	R CARBON FILM	1/6 1.8K OHM J
R315		RD-AZ624J-	R CARBON FILM	1/6 620K OHM J
R316		RD-AZ222J-	R CARBON FILM	1/6 2.2K OHM J
R317		RD-AZ272J-	R CARBON FILM	1/6 2.7K OHM J
R318		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R319		RD-AZ474J-	R CARBON FILM	1/6 470 OHM J
R320		RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R321		RD-AZ241J-	R CARBON FILM	1/6 240 OHM J
R322		RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R323		RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R324		RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R325		RD-AZ471J-	R CARBON FILM	1/6 470 OHM J
R326		RD-AZ222J-	R CARBON FILM	1/6 2.2K OHM J
R327		RD-AZ272J-	R CARBON FILM	1/6 2.7K OHM J
R328		RD-AZ821J-	R CARBON FILM	1/6 820 OHM J
R329		RD-AZ273J-	R CARBON FILM	1/6 27K OHM J
R331		RD-AZ155J-	R CARBON FILM	1/6 1.5M OHM J
R332		RD-AZ474J-	R CARBON FILM	1/6 470K OHM J
R333		RD-AZ821J-	R CARBON FILM	1/6 820 OHM J
R334		RD-AZ331J-	R CARBON FILM	1/6 330 OHM J
R335		RD-AZ681J-	R CARBON FILM	1/6 680 OHM J
R336		RD-AZ683J-	R CARBON FILM	1/6 68K OHM J
R337		RD-AZ333J-	R CARBON FILM	1/6 33K OHM J
R338		RD-AZ222J-	R CARBON FILM	1/6 2.2K OHM J
R339		RD-AZ153J-	R CARBON FILM	1/6 15K OHM J
R340		RD-AZ222J-	R CARBON FILM	1/6 2.2K OHM J
R341		RD-AZ821J-	R CARBON FILM	1/6 820 OHM J
R342		RD-AZ122J-	R CARBON FILM	1/6 1.2K OHM J
R343		RD-AZ102J-	R CARBON FILM	1/6 1K OHM J

LOC	A/J	PART CODE	PART NAME	PART DESC
R344		RD-AZ222J-	R CARBON FILM	1/6 2.2K OHM JJ
R345		RD-AZ222J-	R CARBON FILM	1/6 2.2K OHM J
R346		RD-AZ152J-	R CARBON FILM	1/6 1.5K OHM J
R347		RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J
R348		RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R349		RD-AZ152J-	R CARBON FILM	1/6 1.5K OHM J
R350		RD-AZ132J-	R CARBON FILM	1/6 1.3K OHM J
R351		RD-AZ151J-	R CARBON FILM	1/6 150 OHM J
R352		RD-AZ112J-	R CARBON FILM	1/6 1.1K OHM J
R353		RD-AZ221J-	R CARBON FILM	1/6 220 OHM J
R354		RD-AZ911J-	R CARBON FILM	1/6 910 OHM J
R355		RD-AZ162G-	R CARBON FILM	1/6 1.6K OHM J
R356		RD-AZ362J-	R CARBON FILM	1/6 3.6K OHM J
R357		RD-AZ272J-	R CARBON FILM	1/6 2.7K OHM J
R359		RD-AZ564J-	R CARBON FILM	1/6 560K OHM J
R360		DR320K--	THERMISTER	R-320K
R361		RD-AZ821J-	R CARBON FILM	1/6 820 OHM J
R362		RD-AZ182J-	R CARBON FILM	1/6 1.8K OHM J
R363		RD-AZ273J-	R CARBON FILM	1/6 27K OHM J
R364		RD-AZ155J-	R CARBON FILM	1/6 1.5M OHM J
R365		RD-AZ203J-	R CARBON FILM	1/6 20K OHM J
R366		RD-AZ471J-	R CARBON FILM	1/6 470 OHM J
R367		RD-AZ431J-	R CARBON FILM	1/6 430 OHM J
R368		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R369		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R370		RD-AZ222J-	R CARBON FILM	1/6 2.2K OHM J
R374		RD-AZ473J-	R CARBON FILM	1/6 47K OHM J
R376		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R391		RV5417103E	R SEMI FIXED	RH-0615C 10KB H-TYPE
R392		RV5417103E	R SEMI FIXED	RH-0615C 10KB H-TYPE
R393		RV5417103E	R SEMI FIXED	RH-0615C 10KB H-TYPE
R394		RV5417103E	R SEMI FIXED	RH-0615C 10KB H-TYPE
R395		RV5417221E	R SEMI FIXED	RH-0615C 220B H-TYPE
R396		RV5417103E	R SEMI FIXED	RH-0615C 10KB H-TYPE
R397		RV5417103E	R SEMI FIXED	RH-0615C 10KB H-TYPE
R401		RD-AZ221J-	R CARBON FILM	1/6 220 OHM J
R402		RD-AZ821J-	R CARBON FILM	1/6 820 OHM J
R403		RD-AZ821J-	R CARBON FILM	1/6 820 OHM J
R404		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R405		RD-AZ332J-	R CARBON FILM	1/6 3.3K OHM J
R406		RD-AZ152J-	R CARBON FILM	1/6 1.5K OHM J
R407		RD-AZ471J-	R CARBON FILM	1/6 470 OHM J
R408		RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R409		RD-AZ471J-	R CARBON FILM	1/6 470 OHM J
R410		RD-AZ152J-	R CARBON FILM	1/6 1.5K OHM J
R411		RD-AZ332J-	R CARBON FILM	1/6 3.3K OHM J
R412		RD-AZ182J-	R CARBON FILM	1/6 1.8K OHM J

LOC	A/J	PART CODE	PART NAME	PART DESC
R413		RD-AZ392J-	R CARBON FILM	1/6 3.9K OHM J
R414		RD-AZ392J-	R CARBON FILM	1/6 3.9K OHM J
R422		RD-AZ821J-	R CARBON FILM	1/6 820 OHM J
R423		RD-AZ152J-	R CARBON FILM	1/6 1.5K OHM J
R424		RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R425		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R452		RD-AZ511J-	R CARBON FILM	1/6 510 OHM J
R453		RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R454		RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R455		RD-AZ101J-	R CARBON FILM	1/6 100 OHM J
R456		RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R457		RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R461		RD-AZ104J-	R CARBON FILM	1/6 100K OHM J
R462		RD-AZ164J-	R CARBON FILM	1/6 160K OHM J
R463		RD-AZ123J-	R CARBON FILM	1/6 12K OHM J
R464		RD-AZ335J-	R CARBON FILM	1/6 3.3M OHM J
R491		RD-AZ821J-	R CARBON FILM	1/6 820 OHM J
R501		RD-AZ474J-	R CARBON FILM	1/6 470K OHM J
R502		RD-AZ471J-	R CARBON FILM	1/6 470 OHM J
R503		RD-AZ473J-	R CARBON FILM	1/6 47K OHM J
R504		RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J
R505		RD-AZ471J-	R CARBON FILM	1/6 470 OHM J
R506		RD-AZ512J-	R CARBON FILM	1/6 5.1K OHM J
R508		RD-AZ913J-	R CARBON FILM	1/6 91K OHN J
R509		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R510		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R513		RE-AZ334J-	R CARBON FILM	1/6 330K OHM J
R516		RD-AZ332J-	R CARBON FILM	1/6 3.3K OHM J
R517		RD-AZ333J-	R CARBON FILM	1/6 33K OHM J
R518		RD-AZ333J-	R CARBON FILM	1/6 33K OHM J
R522		RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R523		RD-AZ202J-	R CARBON FILM	1/6 2K OHM J
R524		RD-AZ393J-	R CARBON FILM	1/6 39K OHM J
R526		RD-AZ122J-	R CARBON FILM	1/6 1.2K OHM J
R527		RD-AZ301J-	R CARBON FILM	1/6 300 OHM J
R528		RD-AZ301J-	R CARBON FILM	1/6 300 OHM JJ
R529		RD-AZ104J-	R CARBON FILM	1/6 100K OHM J
R530		RD-AZ333J-	R CARBON FILM	1/6 33K OHM J
R531		RD-AZ154J-	R CARBON FILM	1/6 150K OHM J
R532		RD-AZ154J-	R CARBON FILM	1/6 150K OHM J
R533		RD-AZ204J-	R CARBON FILM	1/6 200K OHM J
R534		RD-AZ104J-	R CARBON FILM	1/6 100K OHM J
R535		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R537		RD-AZ302J-	R CARBON FILM	1/6 3K OHM J
R538		RD-AZ225J-	R CARBON FILM	1/6 2.2M OHM J
R539		RD-AZ473J-	R CARBON FILM	1/6 47K OHM J
R542		RD-AZ222J-	R CARBON FILM	1/6 2.2K OHM J

LOC	A/J	PART CODE	PART NAME	PART DESC
R554		RD-AZ104J-	R CARBON FILM	1/6 100K OHM J
R555		RD-AZ124J-	R CARBON FILM	1/6 120K OHM J
R557		RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R558		RD-AZ562J-	R CARBON FILM	1/6 5.6K OHM J
R564		RD-AZ820J-	R CARBON FILM	1/6 82 OHM J
R577		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R578		RD-AZ153J-	R CARBON FILM	1/6 15K OHM J
R581		RD-AZ302J-	R CARBON FILM	1/6 3K OHM J
R591		RV5417474E	R SEMI FIXED	RH-0615C 470KB H-TYPE
R594		RV5417104E	R SEMI FIXED	RH-0615C 100KB (H TYPE)
R595		RV5417104E	R SEMI FIXED	RH-0615C 100KB (H TYPE)
R601		RD-AZ222J-	R CARBON FILM	1/6 2.2K OHM J
R603		RD-AZ222J-	R CARBON FILM	1/6 2.2K OHM J
R604		RD-AZ222J-	R CARBON FILM	1/6 2.2K OHM J
R605		RD-AZ222J-	R CARBON FILM	1/6 2.2K OHM J
R606		RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R607		RD-AZ222J-	R CARBON FILM	1/6 2.2K OHM J
R608		RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R609		RD-AZ222J-	R CARBON FILM	1/6 2.2K OHM J
R610		RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J
R611		RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J
R612		RD-AZ331J-	R CARBON FILM	1/6 330 OHM J
R613		RD-AZ361J-	R CARBON FILM	1/6 360 OHM J
R614		RD-AZ751J-	R CARBON FILM	1/6 750 OHM J
R615		RD-AZ152J-	R CARBON FILM	1/6 1.5K OHM J
R620		RD-AZ274J-	R CARBON FILM	1/6 270K OHM J
R621		RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J
R622		RD-AZ432J-	R CARBON FILM	1/6 4.3K OHM J
R625		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R628		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R629		RD-AZ101J-	R CARBON FILM	1/6 100 OHM JJ
R630		RD-AZ471J-	R CARBON FILM	1/6 470 OHM J
R631		RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J

LOC	A/J	PART CODE	PART NAME	PART DESC
R632		RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J
R633		RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J
R634		RD-AZ222J-	R CARBON FILM	1/6 2.2K OHM J
R636		RD-AZ202J-	R CARBON FILM	1/6 2K OHM J
R637		RD-AZ432J-	R CARBON FILM	1/6 4.3K OHM J
R638		RD-AZ222J-	R CARBON FILM	1/6 2.2K OHM J
R639		RD-AZ222J-	R CARBON FILM	1/6 2.2K OHM J
R640		RD-AZ222J-	R CARBON FILM	1/6 2.2K OHM J
R646		RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J
R647		RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J
R648		RD-AZ473J-	R CARBON FILM	1/6 47K OHM J
R649		RD-AZ473J-	R CARBON FILM	1/6 10K OHM J
R652		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R653		RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J
R654		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R655		RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J
R656		RD-AZ222J-	R CARBON FILM	1/6 2.2K OHM J
R657		RD-AZ431J-	R CARBON FILM	1/6 430 OHM J
R658		RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J
R659		RD-AZ301J-	R CARBON FILM	1/6 300 OHM J
R660		RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J
R661		RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J
R662		RS02H399JF	R M-OXIDE	2W 3.9 OHM J FLAME PROOF
R663		RD-AZ221J-	R CARBON FILM	1/6 220 OHM J
R664		RD-AZ681J-	R CARBON FILM	1/6 680 OHM J
R665		RD-AZ681J-	R CARBON FILM	1/6 680 OHM J
R667		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
XS51		5P4R43HC49	CRYSTAL	4.43MHz
XS52		5PEFDDBR124	FILTER COMB	EFD-BR124A13H
ZS01		5PSFE416MB	FILTER CERA	SFE 4.16MB
ZS51		5PDBLP1006	FILTER LC	DBLP1006 4.43MHZ. 1.6MHZ
ZS52		5PDBP1007-	FILTER LC	DBP1007 5.06MHz
Z301		5PDLP1005-	FILTER LC	DLP1005 3.0MHz

### 8-2-3. MAIN PCB ASS'Y (VCR-32DAP)

LOC	A/J	PART CODE	PART NAME	PART DESC
CS53		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
CS54		CEXE1H109A	C ELECTRO	50V 1MF RS=5x11 TAPING
CS57		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
CS58		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
CS59		CEXE1C220A	C ELECTRO	16V 22MF RS=5x11 TAPING
CS60		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
CS61		CMXM1H333J	C MYLAR	50V 0.033MF J
CS62		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
CS63		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
CS65		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING

LOC	A/J	PART CODE	PART NAME	PART DESC
CS66		CEXE1H109A	C ELECTRO	50V 1MF RS=5x11 TAPING
CS67		CEXE1C220A	C ELECTRO	16V 22MF RS=5x11 TAPING
CS68		CEXE1H109A	C ELECTRO	50V 1MF RS=5x11 TAPING
CS69		CXSL1H201J	C CERA	SL 50V 200PF J R/T
CS70		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
CS71		CEXE1C220A	C ELECTRO	16V 22MF RS=5x11 TAPING
CS72		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
CS73		CXSL1H390J	C CERA	SL 50V 39PF J TAPING
CS74		CCXB1H222K	C CERA	HIKB 50V 2200PF K TAPING
CS75		CEXE1H109A	C ELECTRO	50V 1MF RS=5x11 TAPING

LOC	A/J	PART CODE	PART NAME	PART DESC
CS76		CCXB1H392K	C CERA	HIKB 50V 3900PF K TAPING
CS77		CEXE1H109A	C ELECTRO	50V 1MF RS=5x11 TAPING
CS78		CXSL1H330J	C CERA	SL 50V 33PF J TAPING
CS79		CXCH1H470J	C CERA	CH 50V 47PF J TAPING
CS80		CXCH1H470J	C CERA	CH 50V 47PF J TAPING
CS81		CXSL1H220J	C CERA	SL 50V 22PF J TAPING
CS83		CXSL1H101J	C CERA	SL 50V 100PF J TAPING
CS84		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
CS85		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
CS86		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
CS87		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
CS88		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
CS89		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
CS90		CXSL1H300J	C CERA	SL 50V 30PF J TAPING
CS91		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
CS92		CMXM1H104J	C MYLAR	50V 0.1MF J
CS93		CXSL1H471J	C CERA	SL 50V 470PF J TAPING
CS94		CXCH1H470J	C CERA	CH 50V 47PF J TAPING
CS95		CXSL1H101J	C CERA	SL 50V 100PF J TAPING
C301		CXSL1H820J	C CERA	SL 50V 82PF J TAPING
C302		CXSL1H130J	C CERA	SL 50V 13PF J TAPING
C303		CXSL1H820J	C CERA	SL 50V 82PF J TAPING
C304		CXSL1H120J	C CERA	SL 50V 12PF J TAPING
C305		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C306		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C307		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C308		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C309		CCXB1H822K	C CERA	HIKB 50V 8200PF K TAPING
C310		CXSL1H151J	C CERA	SL 50V 150PF J TAPING
C311		CXCH1H101J	C CERA	CH 50V 100PF J TAPING
C312		CEXE1C100A	C ELECTRO	16V 10MF RS=5x11 TAPING
C313		CXSL1H680J	C CERA	SL 50V 68PF J TAPING
C314		CXSL1H750J	C CERA	SL 50V 75PF J
C315		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C316		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C317		CEXE1A101A	C ELECTRO	10V 100MF RS 6.3x11 TAPING
C318		CBXF1H104Z	C CERA SEMI	HIKF 50V 0.1MF Z TAPING
C319		CEXE1H109A	C ELECTRO	50V 1MF RS=5x11 TAPING
C320		CEXE1E479A	C ELECTRO	25V 4.7MF RS TAPING
C321		CEXE1H478A	C ELECTRO	50V 0.47MF RS=5x11 TAPING
C322		CEXE1C330A	C ELECTRO	16V 33MF RS=5x11 TAPING
C323		CEXE1H478A	C ELECTRO	50V 0.47MF RS=5x11 TAPING
C324		CEXE1A470A	C ELECTRO	10V 47MF 5x11 RS TAPING
C325		CXSL1H510J	C CERA	SL 50V 51PF J
C326		CXSL1H151J	C CERA	SL 50V 150PF J TAPING
C327		CEXE1H100A	C ELECTRO	50V 10MF RS 5x11 TAPING
C328		CEXE1H109A	C ELECTRO	50V 1MF RS=5x11 TAPING

LOC	A/J	PART CODE	PART NAME	PART DESC
C329		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C330		CEXE1A470A	C ELECTRO	10V 47MF 5x11 RS TAPING
C331		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C332		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C333		CEXE1E479A	C ELECTRO	25V 4.7MF RS TAPING
C334		CXSL1H101J	C CERA	SL 50V 100PF J TAPING
C335		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C336		CXSL1H271J	C CERA	SL 50V 270PF J TAPING
C337		CEXE1H109A	C ELECTRO	50V 1MF RS=5x11 TAPING
C338		CEXE1E479A	C ELECTRO	25V 4.7MF RS TAPING
C339		CXSL1H101J	C CERA	SL 50V 100PF J TAPING
C340		CXSL1H470J	C CERA	SL 50V 47PF J TAPING
C341		CEXE1H109A	C ELECTRO	50V 1MF RS=5x11 TAPING
C342		CEXE1H339A	C ELECTRO	50V 3.3MF RS 5x11 TAPING
C343		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C344		CXSL1H101J	C CERA	SL 50V 100PF J TAPING
C345		CXSL1H390J	C CERA	SL 50V 39PF J TAPING
C346		CMXF2D474J	C MYLAR	CQ93 200V 0.47MF J (MPP)
C347		CEXE1E479A	C ELECTRO	25V 4.7MF RS TAPING
C348		CEXE1H109A	C ELECTRO	50V 1MF RS=5x11 TAPING
C349		CEXE1C470A	C ELECTRO	16V 47MF RS 6.3x11 TAPING
C350		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C351		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C352		CEXE1C470A	C ELECTRO	16V 47MF RS 6.3x11 TAPING
C353		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C354		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C355		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C356		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C358		CXSL1H470J	C CERA	SL 50V 47PF J TAPING
C359		CXSL1H181J	C CERA	SL 50V 180PF J TAPING
C360		CEXE1A470A	C ELECTRO	10V 47MF 5x11 RS TAPING
C361		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C362		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C363		CXSL1H331J	C CERA	HIKF 50V 0.01MF Z TAPING
C364		CMXM1H104J	C MYLAR	50V 0.1MF J
C365		CXSL1H150J	C CERA	SL 50V 15PF J TAPING
C401		CXCH1H470J	C CERA	CH 50V 47PF J TAPING
C402		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C403		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C404		CEXE1A470A	C ELECTRO	10V 47MF 5x11 RS TAPING
C405		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C406		CEXE1H109A	C ELECTRO	50V 1MF RS=5x11 TAPING
C407		CEXE1C220A	C ELECTRO	16V 22MF RS=5x11 TAPING
C408		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C409		CEXE1H109A	C ELECTRO	50V 1MF RS=5x11 TAPING
C410		CEXE1H478A	C ELECTRO	50V 0.47MF RS=5x11 TAPING
C411		CEXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING

LOC	A/J	PART CODE	PART NAME	PART DESC	LOC	A/J	PART CODE	PART NAME	PART DESC
C414		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING	C550		CCXB1H102K	C CERA	HIKB 50V 1000PF K TAPING
C418		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING	C551		CEXE1H109A	C ELECTRO	50V 1MF RS=5x11 TAPING
C419		CEXE1C220A	C ELECTRO	16V 22MF RS=5x11 TAPING	C553		CEXE1A470A	C ELECTRO	10V 47MF 5x11 RS TAPING
C420		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING	C554		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C421		CEXE1C220A	C ELECTRO	16V 22MF RS=5x11 TAPING	C555		CBXF1H104Z	C CERA SEMI	HIKF 50V 0.1MF Z TAPING
C422		CEXE1C330A	C ELECTRO	16V 33MF RS=5x11 TAPING	C601		CEXE1C100A	C ELECTRO	16V 10MF RS=5x11 TAPING
C449		CXCH1H470J	C CERA	CH 50V 47PF J TAPING	C602		CBXF1H104Z	C CERA SEMI	HIKF 50V 0.1MF Z TAPING
C451		CXSL1H511J	C CERA	SL 50V 510PF J	C603		CBXF1H104Z	C CERA SEMI	HIKF 50V 0.1MF Z TAPING
C452		CXSL1H709D	C CERA	SL 50V 7PF D	C604		CEXE1A101A	C ELECTRO	10V 100MF RS 6.3x11 TAPING
C453		CXSL1H150J	C CERA	SL 50V 15PF J TAPING	C605		CEXE1C470A	C ELECTRO	16V 47MF RS 6.3x11 TAPING
C455		CXSL1H101J	C CERA	SL 50V 100PF J TAPING	C606		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C457		CMXM1H104J	C MYLAR	50V 0.1MF J	C607		CCXF1H102Z	C CERA	HIKF 50V 1000PF Z TAPING
C458		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING	C609		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C459		CXSL1H180J	C CERA	SL 50V 18PF J TAPING	C611		CCXB1H102K	C CERA	HIKB 50V 1000PF K TAPING
C460		CCXB1H102K	C CERA	HIKB 50V 1000PF K TAPING	C612		CEXE1E470A	C ELECTRO	25V 47MF RS=6.3x11 TAPING
C461		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING	C613		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C462		CEXE1H478A	C ELECTRO	50V 0.47MF RS=5x11 TAPING	C614		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C501		CEXE0J100A	C ELECTRO	6.3V 10MF RS6.3x11 TAPING	C615		CEXF1A102A	C ELECTRO	10V 1000PF RSM 18x20
C502		CEXE1C330A	C ELECTRO	16V 33MF RS 5x11 TAPING	C616		CBXF1H104Z	C CERA SEMI	HIKF 50V 0.1MF Z TAPING
C503		CEXE0J100A	C ELECTRO	6.3V 10MF RS6.3x11 TAPING	C617		CBXF1H104Z	C CERA SEMI	HIKF 50V 0.1MF Z TAPING
C504		CEXE0J100A	C ELECTRO	6.3V 10MF RS6.3x11 TAPING	DS51		DZN4148-	DIODE	1N4148 (AUTO)
C505		CEXE0J100A	C ELECTRO	6.3V 10MF RS6.3x11 TAPING	D301		DZN4148-	DIODE	1N4148 (AUTO)
C506		CEXE1A470A	C ELECTRO	10V 47MF 5x11 RS TAPING	D302		DZN4148-	DIODE	1N4148 (AUTO)
C507		CMXM1H473J	C MYLAR	50V 0.047MF J	D304		DZN4148-	DIODE	1N4148 (AUTO)
C508		CMXM1H333J	C MYLAR	50V 0.033MF J	D305		DUZ7R5BM-	DIODE	UZ-7.5BM 7.5V
C509		CCXB1H102K	C CERA	HIKB 50V 1000PF K TAPING	D306		DZN4148--	DIODE	1N4148 (AUTO)
C511		CEXE0J100A	C ELECTRO	6.3V 10MF RS6.3x11 TAPING	D401		DZN4148--	DIODE	1N4148 (AUTO)
C513		CMXM1H122J	C MYLAR	50V 0.0012MF J	D402		DZN4148--	DIODE	1N4148 (AUTO)
C514		CMXM1H223J	C MYLAR	50V 0.022MF J	D506		DZN4148--	DIODE	1N4148 (AUTO)
C515		CMXM1H223J	C MYLAR	50V 0.022MF J	D507		DZN4148--	DIODE	1N4148 (AUTO)
C516		CEXE1H109A	C ELECTRO	50V 1MF RS=5x11 TAPING	D510		DZN4148--	DIODE	1N4148 (AUTO)
C521		CBXF1H104Z	C CERA SEMI	HIKF 50V 0.1MF Z TAPING	D512		DZN4148--	DIODE	1N4148 (AUTO)
C522		CBXF1H104Z	C CERA SEMI	HIKF 50V 0.1MF Z TAPING	D513		DZN4148--	DIODE	1N4148 (AUTO)
C523		CEXE0J479A	C ELECTRO	6.3V 4.7MF RS	D601		DZN4148--	DIODE	1N4148 (AUTO)
C526		CMXM1H103J	C MYLAR	50V 0.01MF J	D603		DZN4148--	DIODE	1N4148 (AUTO)
C527		CMXM1H223J	C MYLAR	50V 0.022MF J	D604		DZN4148--	DIODE	1N4148 (AUTO)
C528		CMXM1H223J	C MYLAR	50V 0.022MF J	D606		DZN4148--	DIODE	1N4148 (AUTO)
C529		CMXM1H473J	C MYLAR	50V 0.047MF J	D607		DUZ3R9B-	DIODE ZENER	UZ-3. 9B
C530		CEXE1A479A	C ELECTRO	10V 4.7MF RS TAPING	IC51		1TA8644N-	IC	TA8644N (COLOR PROCESS)
C531		CMXM1H472J	C MYLAR	50V 0.0047MF J	IC301		1TA8605AN-	IC	TA8605AN (YPROCESS)
C532		CMXM1H473J	C MYLAR	50V 0.047MF J	IC302		1TA8606N-	IC	TA8606N
C534		CMXM1H104J	C MYLAR	50V 0.1MF J	IC303		1TL8709P-	IC	TL8709P (1H DELAY CCD/PAL)
C535		CMXM1H103J	C MYLAR	50V 0.01MF J	IC401		1TA7772P-	IC	TA7772P
C536		CEXE1A470A	C ELECTRO	10V 47MF 5x11 RS TAPING	IC402		1TA8607P-	IC	TA8607P
R537		CEXE1A470A	C ELECTRO	10V 47MF 5x11 RS TAPING	IC501		1DTS02PA4-	IC	DTS02P-A4
R538		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING	IC502		1TA8618S-	IC	TA8618S
C545		CEXE1C470A	C ELECTRO	16V 47MF RS 6.3x11 TAPING	IC503		1K1A75902P	IC	KIA75902P QUAD OP-AMP

LOC	A/J	PART CODE	PART NAME	PART DESC
IC506		1BA6411--	IC	KIA75902P QUAD OP-AMP
IC601		1MB5209SY-	IC	DMB5209SY (M50726-627SP)
IC602		1TA7288P-	IC	TA7288P
LS51		56Z180J430	COIL PEAKING	EL0606RA-18UH J (AUTO)
LS52		56Z479K426	COIL PEAKING	EL0606RA-4.7UH K (AUTO)
LS53		56Z270J431	COIL PEAKING	EL0606RA-27UH J (AUTO)
LS54		56Z681J439	COIL PEAKING	EL0606RA-68UH J (AUTO)
LS55		56Z270J431	COIL PEAKING	EL0606RA-27UH J (AUTO)
LS56		56Z681J439	COIL PEAKING	EL0606RA-68UH J (AUTO)
LS57		56Z331J331	COIL PEAKING	EL0606RA-33UH J (AUTO)
LS58		56Z150J198	COIL PEAKING	EL0606RA-15UH J (AUTO)
L302		56Z101J205	COIL PEAKING	EL0606RA-100UH J (AUTO)
L303		56Z331J331	COIL PEAKING	EL0606RA-33UH J (AUTO)
L304		56Z221J435	COIL PEAKING	EL0606RA-22UH J (AUTO)
L305		56Z390J433	COIL PEAKING	EL0606RA-39UH J (AUTO)
L306		56Z101J205	COIL PEAKING	EL0606RA-100UH J (AUTO)
L307		97P8600300	CHOKE HEATER	HC-3035
L308		56Z109K229	COIL PEAKING	EL0606RA-1UH K (AUTO)
L309		56Z820J212	COIL PEAKING	EL0606RA-82 J (AUTO)
L310		56Z270J431	COIL PEAKING	EL0606RA-27UH J (AUTO)
L311		56Z181J209	COIL PEAKING	EL0606RA-181J (AUTO)
L312		56Z330J432	COIL PEAKING	EL0606RA-33UH J (AUTO)
L401		56Z479K426	COIL PEAKING	EL0606RA-4.7UH K (AUTO)
L402		56Z109K229	COIL PEAKING	EL0606RA-1UH K (AUTO)
L403		56Z109K229	COIL PEAKING	EL0606RA-1UH K (AUTO)
L406		56Z101J205	COIL PEAKING	EL0606RA-100UH J (AUTO)
L407		56Z220J201	COIL PEAKING	EL0606RA-22UH J (AUTO)
L451		56Z101J205	COIL PEAKING	EL0606RA-100UH J (AUTO)
L452		56Z330J 432	COIL PEAKING	EL0606RA-33UH J (AUTO)
L453		56Z829K428	COIL PEAKING	EL0606RA-8.2UH K (AUTO)
L454		56Z102J204	COIL PEAKING	EL0606RA-1MH J (AUTO)
L455		56Z820J212	COIL PEAKING	EL0606RA-82J (AUTO)
QS51		TZTC1815Y-	TR	KTC1815Y (AUTO)
QS52		TZTC1815Y-	TR	KTC1815Y (AUTO)
QS53		TZTC1815Y-	TR	KTC1815Y (AUTO)
QS54		TZTC1815Y-	TR	KTC1815Y (AUTO)
QS55		TZTA1015Y-	TR	KTA1015Y (AUTO)
QS56		TZTC1815Y-	TR	KTC1815Y (AUTO)
Q301		TZTA1015Y-	TR	KTC1015Y (AUTO)
Q302		TZTA1015Y-	TR	KTA1015Y (AUTO)
Q303		TZTA1015Y-	TR	KTA1015Y (AUTO)
Q304		TZTA1015Y-	TR	KTA1015Y (AUTO)
Q305		TZTC1815Y-	TR	KTC1815Y (AUTO)
Q306		TZTC1815Y-	TR	KTC1815Y (AUTO)
Q307		TZTA1015GR	TR	KTA1015GR (AUTO)
Q308		TZTC1815Y-	TR	KTC1815Y (AUTO)
Q309		TKTA966Y-	TR	KTA966Y

LOC	A/J	PART CODE	PART NAME	PART DESC
Q310		TZSR1001--	TR	KSR1001 (AUTO)
Q403		TZTC2236Y-	TR	KTC2236Y (AUTO)
Q404		TKTA966Y-	TR	KTA966Y
Q451		TZTC1815Y-	TR	KTC1815Y (AUTO)
Q461		TZTC1815Y-	TR	KTC1815Y (AUTO)
Q502		TZSR1004--	TR	KSR1004 (AUTO)
Q504		TZSR1004--	TR	KSR1004 (AUTO)
Q506		TZSR1004--	TR	KSR1004 (AUTO)
Q507		TZTC1815Y-	TR	KTC1815Y (AUTO)
Q509		TZSR1004--	TR	KSR1004 (AUTO)
Q512		T2SD1273Q-	TR	2SD1273-Q CAPSTAN DRIVE
Q601		TZSR1002--	TR	KSR1002 (AUTO)
Q610		TKTA966Y-	TR	KTA966Y
Q612		TZTC1815Y-	TR	KTC1815Y (AUTO)
Q613		TZTC1815Y-	TR	KTC1815Y (AUTO)
Q614		TZSR2004--	TR	KSR2004 (AUTO)
Q617		TZSR1004--	TR	KSR1004 (AUTO)
RS53		RD-AZ273J-	R CARBON FILM	1/6 27K OHM J
RS54		RD-AZ822J-	R CARBON FILM	1/6 8.2 OHM J
RS55		RD-AZ681J-	R CARBON FILM	1/6 680 OHM J
RS56		RD-AZ221J-	R CARBON FILM	1/6 220 OHM J
RS57		RD-AZ222J-	R CARBON FILM	1/6 2.2K OHM J
RS58		RD-AZ271J-	R CARBON FILM	1/6 270 OHM J
RS59		RD-AZ122J-	R CARBON FILM	1/6 1.2K OHM J
RS60		RD-AZ333J-	R CARBON FILM	1/6 33K OHM J
RS61		RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
RS63		RD-AZ362J-	R CARBON FILM	1/6 3.6K OHM J
RS64		RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
RS65		RD-AZ432J-	R CARBON FILM	1/6 4.3K OHM J
RS66		RD-AZ182J-	R CARBON FILM	1/6 1.8K OHM J
RS67		RD-AZ202J-	R CARBON FILM	1/6 2K OHM J
RS68		RD-AZ204J-	R CARBON FILM	1/6 200K OHM J
RS69		RD-AZ333J-	R CARBON FILM	1/6 33K OHM J
RS70		RD-AZ392J-	R CARBON FILM	1/6 3.9K OHM J
RS71		RD-AZ202J-	R CARBON FILM	1/6 2K OHM J
RS72		RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J
RS73		RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J
RS74		RD-AZ101J-	R CARBON FILM	1/6 100 OHM J
RS76		RD-AZ224J-	R CARBON FILM	1/6 220K OHM J
RS80		RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
RS82		RD-AZ183J-	R CARBON FILM	1/6 18K OHM J
RS83		RD-AZ822J-	R CARBON FILM	1/6 8.2K OHM J
RS84		RD-AZ471J-	R CARBON FILM	1/6 470 OHM J
RS85		RD-AZ471J-	R CARBON FILM	1/6 470 OHM J
RS86		RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
RS87		RD-AZ222J-	R CARBON FILM	1/6 2.2K OHM J
RS88		RD-AZ101J-	R CARBON FILM	1/6 100 OHM J

LOC	A/J	PART CODE	PART NAME	PART DESC
RS89		RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
RS90		RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
RS91		RD-AZ332J-	R CARBON FILM	1/6 3.3K OHM J
RS92		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
RS95		RV5417102E	R SEMI FIXED	RH-0615C 1KB H-TYPE
RS96		RV5417224E	R SEMI FIXED	RH-0615C 220KB H-TYPE
R301		RD-AZ561J-	R CARBON FILM	1/6 560 OHM J
R302		RD-AZ332J-	R CARBON FILM	1/6 3.3K OHM J
R303		DR320K—	THERMISTER	R-320K
R304		RD-AZ561J-	R CARBON FILM	1/6 560 OHM J
R305		RD-AZ332J-	R CARBON FILM	1/6 3.3K OHM J
R306		RD-AZ822J-	R CARBON FILM	1/6 8.2K OHM J
R307		RD-AZ682J-	R CARBON FILM	1/6 6.8K OHM J
R308		RD-AZ123J-	R CARBON FILM	1/6 12K OHM J
R309		RD-AZ332J-	R CARBON FILM	1/6 3.3K OHM J
R310		RD-AZ621J-	R CARBON FILM	1/6 620 OHM J
R311		RD-AZ274J-	R CARBON FILM	1/6 270K OHM J
R312		RD-AZ302J-	R CARBON FILM	1/6 3K OHM J
R313		RD-AZ623J-	R CARBON FILM	1/6 62K OHM J
R314		RD-AZ182J-	R CARBON FILM	1/6 1.8K OHM J
R314		RD-AZ182J-	R CARBON FILM	1/6 1.8K OHM J
R315		RD-AZ624J-	R CARBON FILM	1/6 620K OHM J
R316		RD-AZ222J-	R CARBON FILM	1/6 2.2K OHM J
R317		RD-AZ272J-	R CARBON FILM	1/6 2.7K OHM J
R318		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R319		RD-AZ474J-	R CARBON FILM	1/6 470K OHM J
R320		RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R321		RD-AZ241J-	R CARBON FILM	1/6 240 OHM J
R322		RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R323		RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R324		RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R325		RD-AZ474J-	R CARBON FILM	1/6 470 OHM J
R326		RD-AZ222J-	R CARBON FILM	1/6 2.2K OHM J
R327		RD-AZ272J-	R CARBON FILM	1/6 2.7K OHM J
R328		RD-AZ821J-	R CARBON FILM	1/6 820 OHM J
R329		RD-AZ273J-	R CARBON FILM	1/6 27K OHM J
R331		RD-AZ155J-	R CARBON FILM	1/6 1.5M OHM J
R332		RD-AZ474J-	R CARBON FILM	1/6 470K OHM J
R333		RD-AZ821J-	R CARBON FILM	1/6 820 OHM J
R334		RD-AZ331J-	R CARBON FILM	1/6 330 OHM J
R335		RD-AZ681J-	R CARBON FILM	1/6 680 OHM J
R336		RD-AZ683J-	R CARBON FILM	1/6 68K OHM J
R337		RD-AZ333J-	R CARBON FILM	1/6 33K OHM J
R338		RD-AZ222J-	R CARBON FILM	1/6 2.2K OHM J
R339		RD-AZ153J-	R CARBON FILM	1/6 15K OHM J
R340		RD-AZ222J-	R CARBON FILM	1/6 2.2K OHM J
R341		RD-AZ821J-	R CARBON FILM	1/6 820 OHM J

LOC	A/J	PART CODE	PART NAME	PART DESC
R342		RD-AZ122J-	R CARBON FILM	1/6 1.2K OHM J
R343		RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R344		RD-AZ222J-	R CARBON FILM	1/6 2.2K OHM J
R345		RD-AZ222J-	R CARBON FILM	1/6 2.2K OHM J
R346		RD-AZ152J-	R CARBON FILM	1/6 1.5K OHM J
R347		RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J
R348		RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R349		RD-AZ152J-	R CARBON FILM	1/6 1.5K OHM J
R350		RD-AZ132J-	R CARBON FILM	1/6 1.3K OHM J
R351		RD-AZ151J-	R CARBON FILM	1/6 150 OHM J
R352		RD-AZ112J-	R CARBON FILM	1/6 1.1K OHM J
R353		RD-AZ221J-	R CARBON FILM	1/6 220 OHM J
R354		RD-AZ911J-	R CARBON FILM	1/6 910 OHM J
R355		RD-AZ162G-	R CARBON FILM	1/6 1.6K OHM G
R356		RD-AZ362J-	R CARBON FILM	1/6 3.6K OHM J
R357		RD-AZ272J-	R CARBON FILM	1/6 2.7K OHM J
R359		RD-AZ564J-	R CARBON FILM	1/6 560K OHM J
R360		DR320K—	THERMISTER	R-320K
R361		RD-AZ821J-	R CARBON FILM	1/6 820 OHM J
R362		RD-AZ182J-	R CARBON FILM	1/6 1.8K OHM J
R363		RD-AZ273J-	R CARBON FILM	1/6 27K OHM J
R364		RD-AZ155J-	R CARBON FILM	1/6 1.5K OHM J
R365		RD-AZ203J-	R CARBON FILM	1/6 20K OHM J
R366		RD-AZ471J-	R CARBON FILM	1/6 470 OHM J
R367		RD-AZ431J-	R CARBON FILM	1/6 430 OHM J
R368		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R369		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R370		RD-AZ222J-	R CARBON FILM	1/6 2.2K OHM J
R374		RD-AZ473J-	R CARBON FILM	1/6 47K OHM J
R376		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R391		RV5417103E	R SEMI FIXED	RH-0615C 10KB H-TYPE
R392		RV5417103E	R SEMI FIXED	RH-0615C 10KB H-TYPE
R393		RV5417103E	R SEMI FIXED	RH-0615C 10KB H-TYPE
R394		RV5417103E	R SEMI FIXED	RH-0615C 10KB H-TYPE
R395		RV5417221E	R SEMI FIXED	RH-0615C 220B H-TYPE
R396		RV541703E	R SEMI FIXED	RH-0615C 10KB H-TYPE
R397		RV5417103E	R SEMI FIXED	RH-0615C 10KB H-TYPE
R401		RD-AZ221J-	R CARBON FILM	1/6 220 OHM J
R402		RD-AZ821J-	R CARBON FILM	1/6 820 OHM J
R403		RD-AZ821J-	R CARBON FILM	1/6 820 OHM J
R404		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R405		RD-AZ332J-	R CARBON FILM	1/6 3.3K OHM J
R406		RD-AZ152J-	R CARBON FILM	1/6 1.5K OHM J
R407		RD-AZ471J-	R CARBON FILM	1/6 470 OHM J
R408		RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R409		RD-AZ471J-	R CARBON FILM	1/6 470 OHM J
R410		RD-AZ152J-	R CARBON FILM	1/6 1.5K OHM J

LOC	A/J	PART CODE	PART NAME	PART DESC
R411		RD-AZ332J-	R CARBON FILM	1/6 3.3K OHM J
R412		RD-AZ182J-	R CARBON FILM	1/6 1.8K OHM J
R413		RD-AZ392J-	R CARBON FILM	1/6 3.9K OHM J
R414		RD-AZ392J-	R CARBON FILM	1/6 3.9K OHM J
R422		RD-AZ821J-	R CARBON FILM	1/6 820 OHM J
R423		RD-AZ152J-	R CARBON FILM	1/6 1.5K OHM J
R424		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R425		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R452		RD-AZ511J-	R CARBON FILM	1/6 510 OHM J
R453		RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R454		RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R455		RD-AZ101J-	R CARBON FILM	1/6 100 OHM J
R456		RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R457		RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R461		RD-AZ104J-	R CARBON FILM	1/6 100K OHM J
R462		RD-AZ164J-	R CARBON FILM	1/6 160K OHM J
R463		RD-AZ123J-	R CARBON FILM	1/6 12K OHM J
R464		RD-AZ335J-	R CARBON FILM	1/6 3.3M OHM J
R491		RD-AZ821J-	R CARBON FILM	1/6 820 OHM J
R501		RD-AZ474J-	R CARBON FILM	1/6 470K OHM J
R502		RD-AZ471J-	R CARBON FILM	1/6 470 OHM J
R503		RD-AZ473J-	R CARBON FILM	1/6 47K OHM J
R504		RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J
R505		RD-AZ471J-	R CARBON FILM	1/6 470 OHM J
R506		RD-AZ512J-	R CARBON FILM	1/6 5.1K OHM J
R508		RD-AZ913J-	R CARBON FILM	1/6 91K OHM J
R509		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R510		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R513		RD-AZ334J-	R CARBON FILM	1/6 330K OHM J
R516		RD-AZ332J-	R CARBON FILM	1/6 3.3K OHM J
R517		RD-AZ333J-	R CARBON FILM	1/6 33K OHM J
R518		RD-AZ333J-	R CARBON FILM	1/6 33K OHM J
R522		RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R523		RD-AZ202J-	R CARBON FILM	1/6 2K OHM J
R524		RD-AZ393J-	R CARBON FILM	1/6 39K OHM J
R526		RD-AZ122J-	R CARBON FILM	1/6 1.2K OHM J
R527		RD-AZ301J-	R CARBON FILM	1/6 300 OHM J
R528		RD-AZ301J-	R CARBON FILM	1/6 300 OHM J
R529		RD-AZ104J-	R CARBON FILM	1/6 100K OHM J
R530		RD-AZ333J-	R CARBON FILM	1/6 33K OHM J
R531		RD-AZ154J-	R CARBON FILM	1/6 150K OHM J
R532		RD-AZ154J-	R CARBON FILM	1/6 150K OHM J
R533		RD-AZ204J-	R CARBON FILM	1/6 200K OHM J
R534		RD-AZ104J-	R CARBON FILM	1/6 100K OHM J
R535		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R537		RD-AZ302J-	R CARBON FILM	1/6 3K OHM J
R538		RD-AZ225J-	R CARBON FILM	1/6 2.2M OHM J
LOC	A/J	PART CODE	PART NAME	PART DESC
R539		RD-AZ473J-	R CARBON FILM	1/6 47K OHM J
R542		RD-AZ222J-	R CARBON FILM	1/6 2.2K OHM J
R554		RD-AZ104J-	R CARBON FILM	1/6 100K OHM J
R555		RD-AZ124J-	R CARBON FILM	1/6 120K OHM J
R557		RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R558		RD-AZ562J-	R CARBON FILM	1/6 5.6K OHM J
R564		RD-AZ820J-	R CARBON FILM	1/6 82 OHM J
R577		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R578		RD-AZ153J-	R CARBON FILM	1/6 15K OHM J
R581		RD-AZ302J-	R CARBON FILM	1/6 3K OHM J
R591		RV5417474E	R SEMI FIXED	RH-0615C 470KB H-TYPE
R594		RV5417104E	R SEMI FIXED	RH-0615C 100KB (H TYPE)
R595		RV5417104E	R SEMI FIXED	RH-0615C 100KB (H TYPE)
R601		RD-AZ222J-	R CARBON FILM	1/6 2.2K OHM J
R603		RD-AZ222J-	R CARBON FILM	1/6 2.2K OHM J
R604		RD-AZ222J-	R CARBON FILM	1/6 2.2K OHM J
R605		RD-AZ222J-	R CARBON FILM	1/6 2.2K OHM J
R606		RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R607		RD-AZ222J-	R CARBON FILM	1/6 2.2K OHM J
R608		RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R609		RD-AZ222J-	R CARBON FILM	1/6 2.2K OHM J
R610		RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J
R611		RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J
R612		RD-AZ331J-	R CARBON FILM	1/6 330 OHM J
R613		RD-AZ361J-	R CARBON FILM	1/6 360 OHM J
R614		RD-AZ751J-	R CARBON FILM	1/6 750 OHM J
R615		RD-AZ152J-	R CARBON FILM	1/6 1.5K OHM J
R620		RD-AZ274J-	R CARBON FILM	1/6 270K OHM J
R621		RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J
R622		RD-AZ432J-	R CARBON FILM	1/6 4.3K OHM J
R625		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R626		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R629		RD-4Z101J-	R CARBON FILM	1/4 100 OHM J
R630		RD-AZ471J-	R CARBON FILM	1/6 470 OHM J
R631		RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J
R632		RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J
R633		RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J
R634		RD-AZ222J-	R CARBON FILM	1/6 2.2K OHM J
R636		RD-AZ202J-	R CARBON FILM	1/6 2K OHM J
R637		RD-AZ432J-	R CARBON FILM	1/6 4.3K OHM J
R638		RD-AZ222J-	R CARBON FILM	1/6 2.2K OHM J
R639		RD-AZ222J-	R CARBON FILM	1/6 2.2K OHM J
R640		RD-AZ222J-	R CARBON FILM	1/6 2.2K OHM J
R646		RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J
R647		RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J
R648		RD-AZ473J-	R CARBON FILM	1/6 47K OHM J
R649		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J

LOC	A/J	PART CODE	PART NAME	PART DESC
R652		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R653		RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J
R654		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R655		RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J
R656		RD-AZ222J-	R CARBON FILM	1/6 2.2K OHM J
R657		RD-AZ431J-	R CARBON FILM	1/6 430 OHM J
R658		RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J
R659		RD-AZ301J-	R CARBON FILM	1/6 300 OHM J
R660		RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J
R661		RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J

LOC	A/J	PART CODE	PART NAME	PART DESC
R662		RS02H399JF	R M-OXIDE	2W 3.9 OHM J FLAME PROOF
R663		RD-AZ221J-	R CARBON FILM	1/6 220 OHM J
R664		RD-AZ681J-	R CARBON FILM	1/6 680 OHM J
R665		RD-AZ681J-	R CARBON FILM	1/6 680 OHM J
R667		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
XS52		5PEFDBR124	FILTER COMB	EFD-BR124A13H
ZS51		5PDBLP1006	FILTER LC	DBLP1006 4.43MHZ. 1.6MHZ.
ZS52		5PDBP1007-	FILTER LC	DBP1007 5.06MHZ
Z301		5PDLP1005-	FILTER LC	DLP1005 3.0MHZ

#### 8-2-4. MAIN PCB ASS'Y (VCR-52VAD)

LOC	A/J	PART CODE	PART NAME	PART DESC
CS01		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
CS02		CCXB1H102K	C CERA	HIKB 50V 1000PF K TAPING
CS03		CMYB1H563J	C MYLAR	50V 0.056J
CS04		CEXE1A330A	C ELECTRO	10V 33MF 5x11
CS05		CEXE1A470A	C ELECTRO	10V 47MF 5x11 RS TAPING
CS06		CEXE1A330A	C ELECTRO	10V 33MF 5x11
CS07		CEXE1H478A	C ELECTRO	50V 0.47MF RS=5x11 TAPING
CS53		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
CS54		CEXE1H109A	C ELECTRO	50V 1MF RS=5x11 TAPING
CS57		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
CS58		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
CS59		CEXE1C220A	C ELECTRO	16V 22MF RS=5x11 TAPING
CS60		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
CS61		CMXM1H333J	C MYLAR	50V 0.033MF J
CS62		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
CS63		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
CS65		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
CS66		CEXE1H109A	C ELECTRO	50V 1MF RS=5x11 TAPING
CS67		CEXE1C220A	C ELECTRO	16V 22MF RS=5x11 TAPING
CS68		CEXE1H109A	C ELECTRO	50V 1MF RS=5x11 TAPING
CS69		CXSL1H201J	C CERA	SL 50V 200PF J R/T
CS70		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
CS71		CEXE1C220A	C ELECTRO	16V 22MF RS=5x11 TAPING
CS72		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
CS73		CXSL1H390J	C CERA	SL 50V 39PF J TAPING
CS74		CCXB1H222K	C CERA	HIKB 50V 2200PF K TAPING
CS75		CEXE1H109A	C ELECTRO	50V 1MF RS=5x11 TAPING
CS76		CCXB1H392K	C CERA	HIKB 50V 3900PF K TAPPING
CS77		CEXE1H109A	C ELECTRO	50V 1MF RS=5x11 TAPING
CS78		CXSL1H330J	C CERA	SL 50V 33PF J TAPING
CS79		CXCH1H470J	C CERA	CH 50V 47PF J TAPING
CS80		CXCH1H470J	C CERA	CH 50V 47PF J TAPING
CS81		CXSL1H220J	C CERA	SL 50V 22PF J TAPING

LOC	A/J	PART CODE	PART NAME	PART DESC
CS83		CXSL1H101J	C CERA	SL 50V 100PF J TAPING
CS84		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
CS85		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
CS86		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
CS87		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
CS88		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
CS89		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
CS90		CXSL1H300J	C CERA	SL 50V 30PF J TAPING
CS91		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
CS92		CMXM1H104J	C MYLAR	50V 0.1MF J
CS93		CXSL1H471J	C CERA	SL 50V 470PF J TAPING
CS94		CXCH1H470J	C CERA	CH 50V 47PF J TAPING
CS95		CXSL1H101J	C CERA	SL 50V 100PF J TAPING
CV01		CXSL1H820J	C CERA	SL 50V 82PF J TAPING
CV02		CEXE1E478A	C ELECTRO	25V 0.47MF SM
CV03		CXCH1H150J	C CERA	CH 50V 15PF J TAPING
CV04		CXSL1H150J	C CERA	SL 50V 15PF J TAPING
CV05		CMXM1H683J	C MYLAR	50V 0.068 MF J
CV06		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
CV07		CXSL1H101J	C CERA	SL 50V 100PF J TAPING
CV08		CXSL1H271J	C CERA	SL 50V 270PF J TAPING
CV09		CMXM1H223J	C MYLAR	50V 0.022MF J INDUCT
CV10		CXSL1H471J	C CERA	SL 50V 470PF J TAPING
CV11		CCXF1H102Z	C CERA	HIKF 50V 1000PF Z TAPING
CV12		CEXE1E470A	C ELECTRO	25V 47MF RS=6.3x11 TAPING
CV13		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
CV14		CBXF1H104Z	C CERA SEMI	HIKF 50V 0.1MF Z TAPING
C301		CXSL1H820J	C CERA	SL 50V 82PF J TAPING
C302		CXSL1H130J	C CERA	SL 50V 13PF J TAPING
C303		CXSL1H820J	C CERA	SL 50V 82PF J TAPING
C304		CXSL1H120J	C CERA	SL 50V 12PF J TAPING
C305		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C306		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING

LOC	A/J	PART CODE	PART NAME	PART DESC	LOC	A/J	PART CODE	PART NAME	PART DESC
C307		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING	C354		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C308		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING	C355		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C309		CCXB1H822K	C CERA	HIKF 50V 8200PF K TAPING	C356		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C310		CXSL1H151J	C CERA	SL 50V 150PF J TAPING	C358		CXSL1H470J	C CERA	SL 50V 47PF J TAPING
C311		CXCH1H101J	C CERA	CH 50V 100PF J TAPING	C359		CXSL1H181J	C CERA	SL 50V 180PF J TAPING
C312		CEXE1C100A	C ELECTRO	16V 10MF RS=5x11 TAPING	C360		CEXE1A470A	C ELECTRO	10V 47MF 5x11 RS TAPING
C313		CXSL1H680J	C CERA	SL 50V 68PF J TAPING	C361		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C314		CXSL1H750J	C CERA	SL 50V 75PF J	C362		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C315		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING	C363		CXSL1H331J	C CERA	SL 50V 330PF J TAPING
C316		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING	C364		CMXM1H104Z	C MYLAR	50V 0.1MF J
C317		CEXE1A101A	C ELECTRO	10V 100MF RS 6.3x11 TAPING	C365		CXSL1H150J	C CERA	SL 50V 15PF J TAPING
C318		CBXF1H104Z	C CERA SEMI	HIKF 50V 0.1MF Z TAPING	C401		CXCH1H470J	C CERA	CH 50V 47PF J TAPING
C319		CEXE1H109A	C ELECTRO	50V 1MF RS=5x11 TAPING	C402		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C320		CEXE1E479A	C ELECTRO	25V 4.7MF RS TAPING	C403		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C321		CEXE1H478A	C ELECTRO	50V 0.47MF RS=5x11 TAPING	C404		CEXE1A470A	C ELECTRO	10V 47MF 5x11 RS TAPING
C322		CEXE1C330A	C ELECTRO	16V 33MF RS 5x11 TAPING	C405		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C323		CEXE1H478A	C ELECTRO	50V 0.47MF RS=5x11 TAPING	C406		CEXE1H109A	C ELECTRO	50V 1MF RS=5x11 TAPING
C324		CEXE1A470A	C ELECTRO	10V 47MF 5x11 RS TAPING	C407		CEXE1C220A	C ELECTRO	16V 22MF RS=5x11 TAPING
C325		CXSL1H510J	C CERA	SL 50V 51PF J	C408		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C326		CXSL1H151J	C CERA	SL 50V 150PF J TAPING	C409		CEXE1H109A	C ELECTRO	50V 1MF RS=5x11 TAPING
C327		CEXE1H100A	C ELECTRO	50V 10MF RS 5x11 TAPING	C410		CEXE1H478A	C ELECTRO	50V 0.47MF RS=5x11 TAPING
C328		CEXE1H109A	C ELECTRO	50V 1MF RS=5x11 TAPING	C411		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C329		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING	C414		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C330		CEXE1A470A	C ELECTRO	10V 47MF 5x11 TAPING	C418		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C331		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING	C419		CEXE1C220A	C ELECTRO	16V 22MF RS=5x11 TAPING
C332		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING	C420		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C333		CEXE1E479A	C ELECTRO	25V 4.7MF RS TAPING	C421		CEXE1C220A	C ELECTRO	16V 22MF RS=5x11 TAPING
C334		CXSL1H101J	C CERA	SL 50V 100PF J TAPING	C422		CEXE1C330A	C ELECTRO	16V 33MF RS 5x11 TAPING
C335		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING	C449		CXCH1H470J	C CERA	CH 50V 47PF J TAPING
C336		CXSL1H271J	C CERA	SL 50V 270PF J TAPING	C451		CXSL1H511J	C CERA	SL 50V 510PF J
C337		CEXE1H109A	C ELECTRO	50V 1MF RS=5x11 TAPING	C452		CXSL1H709D	C CERA	SL 50V 7PF D
C338		CEXE1E479A	C ELECTRO	25V 4.7MF RS TAPING	C453		CXSL1H150J	C CERA	SL 50V 15PF J TAPING
C339		CXSL1H101J	C CERA	SL 50V 100PF J TAPING	C455		CXSL1H101J	C CERA	SL 50V 100PF J TAPING
C340		CXSL1H470J	C CERA	SL 50V 47PF J TAPING	C457		CMXM1H104J	C MYLAR	50V 0.1MF J
C341		CEXE1H109A	C ELECTRO	50V 1MF RS=5x11 TAPING	C458		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C342		CEXE1H339A	C ELECTRO	50V 3.3MF RS 5x11 TAPING	C459		CXSL1H180J	C CERA	SL 50V 18PF J TAPING
C343		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING	C460		CCXB1H102K	C CERA	HIKF 50V 1000PF K TAPING
C344		CXSL1H101J	C CERA	SL 50V 100PF J TAPING	C461		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C345		CXSL1H390J	C CERA	SL 50V 39PF J TAPING	C501		CEXE0J100A	C ELECTRO	6.3V 10MF RS6.3x11 TAPING
C346		CMXF2D474J	C MYLAR	CQ93 200V 0.47MF J (MPP)	C502		CEXE1C330A	C ELECTRO	16V 33MF RS 5x11 TAPING
C347		CEXE1E479A	C ELECTRO	25V 4.7MF RS TAPING	C503		CEXE0J100A	C ELECTRO	6.3A 10MF RS6.3x11 TAPING
C348		CEXE1H109A	C ELECTRO	50V 1MF RS=5x11 TAPING	C504		CEXE0J100A	C ELECTRO	6.3A 10MF RS6.3x11 TAPING
C349		CEXE1C470A	C ELECTRO	16V 47MF RS 6.3x11 TAPING	C505		CEXE0J100A	C ELECTRO	6.3A 10MF RS6.3x11 TAPING
C350		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING	C506		CEXE1A470A	C ELECTRO	10V 47MF 5x11 RS TAPING
C351		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING	C507		CMXM1H563J	C MYLAR	50V 0.056MF J
C352		CEXE1C470A	C ELECTRO	16V 47MF RS 6.3x11 TAPING	C508		CMXM1H333J	C MYLAR	50V 0.033MF J
C353		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING	C509		CCXB1H102K	C CERA	HIKB 50v 1000PF K TAPING

LOC	AJ	PART_CODE	PART_NAME	PART_DESC
C511		CEXE0J100A	C ELECTRO	6.3V 10MF RS6.3x11 TAPING
C513		CMXM1H120J	C MYLAR	50V 120PF J
C514		CMXM1H223J	C MULAR	50V 0.022MF J
C515		CMXM1H223J	C MYLAR	50V 0.022MF J
C516		CEXE1H109A	C ELECTRO	50V 1MF RS=5x11 TAPING
C521		CBXF1H104Z	C CERA SEMI	HIKF 50V 0.1MF Z TAPING
C522		CBXF1H104Z	C CERA SEMI	HIKF 50V 0.1MF Z TAPING
C523		CEXE0J479A	C ELECTRO	6.3V 4.7MF RS
C526		CMXM1H103J	C MYLAR	50V 0.01MF J
C527		CMXM1H223J	C MYLAR	50V 0.022MF J INDUST
C528		CMXM1H223J	C MYLAR	50V 0.022MF J INDUST
C529		CMXM1H473J	C MYLAR	50V 0.047MF J
C530		CEXE1A479A	C ELECTRO	10V 4.7MF RS TAPING
C531		CMXM1H472J	C MYLAR	50V 0.0047MF J
C532		CMXM1H473J	C MYLAR	50V 0.047MF J
C534		CMXM1H104J	C MYLAR	50V 0.1MF J
C535		CMXM1H103J	C MYLAR	50V 0.01MF J
C536		CEXE1A470A	C ELECTRO	10V 47MF 5x11 TAPING
C537		CEXE1A470A	C ELECTRO	10V 47MF 5x11 TAPING
C538		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C541		CEXE1C470A	C ELECTRO	16V 47MF RS 6.3x11 TAPING
C543		CMXM1H563J	C MYLAR	50V 0.056MF J
C544		CEXE1H109A	C ELECTRO	50V 1MF RS=5x11 TAPING
C545		CEXE1C470A	C ELECTRO	16V 47MF RS 6.3x11 TAPING
C546		CEXE1C339A	C ELECTRO	16V 3.3MF RS TAPING
C547		CMXM1H563J	C MYLAR	50V 0.056MF J
C548		CMXM1H123J	C MYLAR	50V 0.012MF J
C549		CCXF1H223Z	C CERA	HIKF 50V 0.022MF Z TAPING
C550		CCXB1H102K	C CERA	HIKB 50V 1000PF K TAPING
C551		CEXE1H109A	C ELECTRO	50V 1MF RS=5x11 TAPING
C553		CEXE1A470A	C ELECTRO	10V 47MF 5x11 RS TAPING
C554		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C555		CBXF1H104Z	C CERA SEMI	HIKF 50V 0.1MF Z TAPING
C601		CEXE1C100A	C ELECTRO	16V 10MF RS=5-11 TAPING
C602		CBXF1H104Z	C CERA SEMI	HIKF 50V 0.1MF Z TAPING
C603		CBXF1H104Z	C CERA SEMI	HIKF 50V 0.1MF Z TAPING
C604		CEXE1A101A	C ELECTRO	10V 100MF RS 6.3x11 TAPING
C605		CEXE1C470A	C ELECTRO	16V 47MF RS 6.3x11 TAPING
C606		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C607		CCXF1H102Z	C CERA	HIKF 50V 1000PF Z TAPING
C609		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C611		CCXB1H102K	C CERA	HIKB 50V 1000PF K TAPING
C612		CEXE1E470A	C ELECTRO	25V 47MF RS=6.3x11 TAPING
C613		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C614		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C615		CEXF1A102A	C ELECTRO	10V 1000MF RSM 18x20
C616		CBXF1H104Z	C CERA SEMI	HIKF 50V 0.1MF Z TAPING

LOC	AJ	PART_CODE	PART NAME	PART DESC
C617		CBXF1H104Z	C CERA SEMI	HIKF 50V 0.1MF Z TAPING
DS51		DZN4148--	DIODE	1N4148 (AUTO)
D301		DZN4148--	DIODE	1N4148 (AUTO)
D302		DZN4148--	DIODE	1N4148 (AUTO)
D303		DZN4148--	DIODE	1N4148 (AUTO)
D304		DZN4148--	DIODE	1N4148 (AUTO)
D305		DUZ7R5BM-	DIODE ZENER	UZ-7.5BM 7.5V
D306		DZN4148--	DIODE	1N4148 (AUTO)
D401		DZN4148--	DIODE	1N4148 (AUTO)
D402		DZN4148--	DIODE	1N4148 (AUTO)
D501		DZN4148--	DIODE	1N4148 (AUTO)
D503		DZN4148--	DIODE	1N4148 (AUTO)
D506		DZN4148--	DIODE	1N4148 (AUTO)
D507		DZN4148--	DIODE	1N4148 (AUTO)
D510		DZN4148--	DIODE	1N4148 (AUTO)
D512		DZN4148--	DIODE	1N4148 (AUTO)
D513		DZN4148--	DIODE	1N4148 (AUTO)
D601		DZN4148--	DIODE	1N4148 (AUTO)
D603		DZN4148--	DIODE	1N4148 (AUTO)
D604		DZN4148--	DIODE	1N4148 (AUTO)
D606		DZN4148--	DIODE	1N4148 (AUTO)
D607		DZN4148--	DIODE	1N4148 (AUTO)
IC501		1BA7025L-	IC	BA7025L
IC551		1TA8644N-	IC	TA8644N (COLOR PROCESS)
ICV01		1SDA5233-	IC VPS SLICER	SDA5233
ICV02		1SDA5640-	IC VPS DECODER	SDA5640
IC301		1TA8605N-	IC	TA8605N
IC302		1TA8606N-	IC	TA8606N
IC303		1TL8709P-	IC	TL8709P (1H DELAY CCD/PAL)
IC401		1TA7772P-	IC	TA7772P
IC402		1TA8607P-	IC	TA8607P
IC501		1DTS02PA4-	IC	DTS02P-A4
IC502		1TA8618S-	IC	TA8618S
IC503		1K1A75902P	IC	KIA75902P QUAD OPAMP
IC505		1BA857-	IC	BA857
IC506		1BA6411-	IC	BA6411
IC601		1MB5209SY	IC	DMB5209SY (M50726-627SP)
IC602		1TA7288P-	IC	TA7288P
LS01		56Z101J205	COIL PEAKING	EL0606RA-100UH J (AUTO)
LS02		56X1260464	COIL VARI	TRF-3077
LS51		56Z180J430	COIL PEAKING	EL0606RA-18UH J (AUTO)
LS52		56Z479K426	COIL PEAKING	EL0606RA-4.7UH K (AUTO)
LS53		56Z270J431	COIL PEAKING	EL0606RA-27UH J (AUTO)
LS54		56Z681J439	COIL PEAKING	EL0606RA-680UH J (AUTO)
LS55		56Z270J431	COIL PEAKING	EL0606RA-27UH J (AUTO)
LS56		56Z681J439	COIL PEAKING	EL0606RA-680UH J (AUTO)
LS57		56Z331J331	COIL PEAKING	EL0606RA-330UH J (AUTO)

LOC	AJ	PART CODE	PART NAME	PART DESC
LS58		57Z150J198	COIL PEAKING	EL0606RA-15UH J (AUTO)
LV01		56Z100J216	COIL PEAKING	EL0606RA-10UH J (AUTO)
L302		56Z101J205	COIL PEAKING	EL0606RA-100UH J (AUTO)
L303		56Z331J331	COIL PEAKING	EL0606RA-330UH J (AUTO)
L304		56Z221J435	COIL PEAKING	EL0606RA-220UH J (AUTO)
L305		56Z390J433	COIL PEAKING	EL0606RA-39UH J (AUTO)
L306		56Z101J205	COIL PEAKING	EL0606RA-100UH J (AUTO)
L307		97P8600300	CHOKE HEATER	HC-3035
L308		56Z109K229	COIL PEAKING	EL0606RA-1UH K (AUTO)
L309		56Z820J212	COIL PEAKING	EL0606RA-82J (AUTO)
L310		56Z270J431	COIL PEAKING	EL0606RA-27UH J (AUTO)
C311		56Z181J209	COIL PEAKING	EL0606RA-18J (AUTO)
L312		56Z330J432	COIL PEAKING	EL0606RA-33UH J (AUTO)
L401		56Z479K426	COIL PEAKING	EL0606RA-4.7UH J (AUTO)
L402		56Z109K229	COIL PEAKING	EL0606RA-1UH K (AUTO)
L403		56Z109K229	COIL PEAKING	EL0606RA-1UH K (AUTO)
L406		56Z101J205	COIL PEAKING	EL0606RA-100UH J (AUTO)
L407		56Z220J201	COIL PEAKING	EL0606RA-22UH J (AUTO)
L451		56Z101J205	COIL PEAKING	EL0606RA-100UH J (AUTO)
L452		56Z330J432	COIL PEAKING	EL0606RA-33UH J (AUTO)
L453		56Z829K428	COIL PEAKING	EL0606RA-8.2UH J (AUTO)
L454		56Z102J204	COIL PEAKING	EL0606RA-1MH J (AUTO)
L455		56Z820J212	COIL PEAKING	EL0606RA-82J (AUTO)
QS01		TZSR2004-	TR	KSR2004 (AUTO)
QS51		TZTC1815Y-	TR	KTC1815Y (AUTO)
QS52		TZTC1815Y-	TR	KTC1815Y (AUTO)
QS53		TZTC1815Y-	TR	KTC1815Y (AUTO)
QS54		TZTC1815Y-	TR	KTC1815Y (AUTO)
QS55		TZTA1015Y-	TR	KTA1015Y (AUTO)
QS56		TZTC1815Y-	TR	KTC1815Y (AUTO)
Q301		TZTA1015Y-	TR	KTA1015Y (AUTO)
Q302		TZTA1015Y-	TR	KTA1015Y (AUTO)
Q303		TZTC1815Y-	TR	KTC1815Y (AUTO)
Q304		TZTA1015Y-	TR	KTA1015Y (AUTO)
Q305		TZTC1815Y-	TR	KTC1815Y (AUTO)
Q306		TZTC1815Y-	TR	KTC1815Y (AUTO)
Q307		TZTA1015GR	TR	KTA1015GR (AUTO)
Q308		TZTC1815Y-	TR	KTC1815Y (AUTO)
Q309		TZTA966Y-	TR	KTA966Y
Q310		TZSR1001-	TR	KSR1001 (AUTO)
Q403		TZTC2236Y-	TR	KTC2236Y (AUTO)
Q404		TZTA966Y-	TR	KTA966Y
Q451		TZTC1815Y-	TR	KTC1815Y (AUTO)
Q501		TZTA1015Y-	TR	KTA1015Y (AUTO)
Q502		TZSR1004-	TR	KSR1004 (AUTO)
Q503		TZTA1015Y-	TR	KTA1015Y (AUTO)
Q504		TZSR1004-	TR	KSR1004 (AUTO)

LOC	AJ	PART CODE	PART NAME	PART DESC
Q506		TZSR1004-	TR	KSR1004 (AUTO)
Q507		TZSR1004-	TR	KSR1004 (AUTO)
Q508		TZTC1815Y-	TR	KTC1815Y (AUTO)
Q509		TZSR1004-	TR	KSR1004 (AUTO)
Q510		TZSR1004-	TR	KSR1004 (AUTO)
Q512		T2SD1273Q-	TR	2SD1273-Q CAPSTAN DRIVE
Q601		TZSR1002-	TR	KSR1002 (AUTO)
Q610		TKTA966Y-	TR	KTA966Y
Q612		TZTC1815Y-	TR	KTC1815Y (AUTO)
Q613		TZTC1815Y-	TR	KTC1815Y (AUTO)
Q614		TZSR2004-	TR	KSR2004 (AUTO)
Q617		TZSR1004-	TR	KSR1004 (AUTO)
RS01		RD-AZ682J-	R CARBON FILM	1/6 6.8K OHM J
RS02		RD-AZ332J-	R CARBON FILM	1/6 3.3K OHM J
RS05		RD-AZ622J-	R CARBON FILM	1/6 6.2K OHM J
RS06		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
RS07		RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
RS08		RD-AZ122J-	R CARBON FILM	1/6 1.2K OHM J
RS09		RD-AZ154J-	R CARBON FILM	1/6 150K OHM J
RS10		RD-AZ390J-	R CARBON FILM	1/6 39 OHM J
RS11		RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J
RS12		RD-AZ104J-	R CARBON FILM	1/6 100K OHM J
RS53		RD-AZ273J-	R CARBON FILM	1/6 27K OHM J
RS54		RD-AZ822J-	R CARBON FILM	1/6 8.2K OHM J
RS55		RD-AZ681J-	R CARBON FILM	1/6 680 OHM J
RS56		RD-AZ221J-	R CARBON FILM	1/6 220 OHM J
RS57		RD-AZ222J-	R CARBON FILM	1/6 2.2K OHM J
RS58		RD-AZ271J-	R CARBON FILM	1/6 270 OHM J
RS59		RD-AZ122J-	R CARBON FILM	1/6 1.2K OHM J
RS60		RD-AZ333J-	R CARBON FILM	1/6 33K OHM J
RS61		RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
RS63		RD-AZ362J-	R CARBON FILM	1/6 3.6K OHM J
RS64		RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
RS65		RD-AZ432J-	R CARBON FILM	1/6 4.3K OHM J
RS66		RD-AZ182J-	R CARBON FILM	1/6 1.8K OHM J
RS67		RD-AZ202J-	R CARBON FILM	1/6 2K OHM J
RS68		RD-AZ204J-	R CARBON FILM	1/6 200K OHM J
RS69		RD-AZ333J-	R CARBON FILM	1/6 33K OHM J
RS70		RD-AZ392J-	R CARBON FILM	1/6 3.9K OHM J
RS71		RD-AZ202J-	R CARBON FILM	1/6 2K OHM J
RS72		RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J
RS73		RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J
RS74		RD-AZ101J-	R CARBON FILM	1/6 100 OHM J
RS76		RD-AZ224J-	R CARBON FILM	1/6 220 OHM J
RS80		RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
RS82		RD-AZ183J-	R CARBON FILM	1/6 18K OHM J
RS83		RD-AZ822J-	R CARBON FILM	1/6 8.2K OHM J

LOC	A/J	PART CODE	PART NAME	PART DESC
RS84		RD-AZ471J-	R CARBON FILM	1/6 470 OHM J
RS85		RD-AZ471J-	R CARBON FILM	1/6 470 OHM J
RS86		RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
RS87		RD-AZ222J-	R CARBON FILM	1/6 2.2K OHM J
RS88		RD-AZ101J-	R CARBON FILM	1/6 100 OHM J
RS89		RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
RS90		RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
RS91		RD-AZ332J-	R CARBON FILM	1/6 3.3K OHM J
RS92		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
RS95		RV5417102E	R SEMI FIXED	RH-0615C 1KB H-TYPE
RS96		RV5417224E	R SEMI FIXED	RH-0615C 220KB H-TYPE
RV01		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
RV02		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R301		RD-AZ561J-	R CARBON FILM	1/6 560 OHM J
R302		RD-AZ332J-	R CARBON FILM	1/6 3.3K OHM J
R303		DR320K--	THERMISTER	R-320K
R304		RD-AZ561J-	R CARBON FILM	1/6 3.3K OHM J
R305		RD-AZ332J-	R CARBON FILM	1/6 3.3K OHM J
R306		RD-AZ822J-	R CARBON FILM	1/6 8.2K OHM J
R307		RD-AZ682J-	R CARBON FILM	1/6 6.8K OHM J
R308		RD-AZ123J-	R CARBON FILM	1/6 12K OHM J
R309		RD-AZ332J-	R CARBON FILM	1/6 3.3K OHM J
R310		RD-AZ621J-	R CARBON FILM	1/6 620 OHM J
R311		RD-AZ274J-	R CARBON FILM	1/6 270K OHM J
R312		RD-AZ302J-	R CARBON FILM	1/6 3K OHM J
R313		RD-AZ823J-	R CARBON FILM	1/6 82K OHM J
R314		RD-AZ182J-	R CARBON FILM	1/6 1.8K OHM J
R315		RD-AZ624J-	R CARBON FILM	1/6 620K OHM J
R316		RD-AZ222J-	R CARBON FILM	1/6 2.2K OHM J
R317		RD-AZ272J-	R CARBON FILM	1/6 2.7K OHM J
R318		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R319		RD-AZ474J-	R CARBON FILM	1/6 470K OHM J
R320		RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R321		RD-AZ241J-	R CARBON FILM	1/6 240 OHM J
R322		RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R323		RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R324		RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R325		RD-AZ471J-	R CARBON FILM	1/6 470 OHM J
R326		RD-AZ222J-	R CARBON FILM	1/6 2.2K OHM J
R327		RD-AZ272J-	R CARBON FILM	1/6 2.7K OHM J
R328		RD-AZ821J-	R CARBON FILM	1/6 820K OHM J
R329		RD-AZ273J-	R CARBON FILM	1/6 27K OHM J
R331		RD-AZ155J-	R CARBON FILM	1/6 1.5M OHM J
R332		RD-AZ474J-	R CARBON FILM	1/6 470K OHM J
R333		RD-AZ821J-	R CARBON FILM	1/6 820 OHM J
R334		RD-AZ331J-	R CARBON FILM	1/6 330 OHM J
R335		RD-AZ681J-	R CARBON FILM	1/6 680 OHM J

LOC	A/J	PART CODE	PART NAME	PART DESC
R336		RD-AZ683J-	R CARBON FILM	1/6 68K OHM J
R337		RD-AZ333J-	R CARBON FILM	1/6 33K OHM J
R338		RD-AZ222J-	R CARBON FILM	1/6 2.2K OHM J
R339		RD-AZ153J-	R CARBON FILM	1/6 15K OHM J
R340		RD-Az222J-	R CARBON FILM	1/6 2.2K OHM J
R341		RD-AZ821J-	R CARBON FILM	1/6 820 OHM J
R342		RD-AZ122J-	R-CARBON FILM	1/6 1.2K OHM J
R343		RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R344		RD-AZ222J-	R CARBON FILM	1/6 2.2K OHM J
R345		RD-AZ222J-	R CARBON FILM	1/6 2.2K OHM J
R346		RD-AZ152J-	R CARBON FILM	1/6 1.5K OHM J
R347		RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J
R348		RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R349		RD-AZ152J-	R CARBON FILM	1/6 1.5K OHM J
R350		RD-AZ132J-	R CARBON FILM	1/6 1.3K OHM J
R351		RD-AZ151J-	R CARBON FILM	1/6 150 OHM J
R352		RD-AZ112J-	R CARBON FILM	1/6 1.1K OHM J
R353		RD-AZ221J-	R CARBON FILM	1/6 220 OHM J
R354		RD-AZ911J-	R CARBON FILM	1/6 910 OHM J
R355		RD-AZ162G-	R CARBON FILM	1/6 1.6K OHM G
R356		RD-AZ362J-	R CARBON FILM	1/6 3.6K OHM J
R357		RD-AZ272J-	R CARBON FILM	1/6 2.7K OHM J
R359		RD-AZ564J-	R CARBON FILM	1/6 560K OHM J
R360		DR320K--	THERMISTER	R-320K
R361		RD-AZ821J-	R CARBON FILM	1/6 820 OHM J
R362		RD-AZ182J-	R CARBON FILM	1/6 1.8K OHM J
R363		RD-AZ273J-	R CARBON FILM	1/6 27K OHM J
R364		RD-AZ155J-	R CARBON FILM	1/6 1.5M OHM J
R365		RD-AZ203J-	R CARBON FILM	1/6 20K OHM J
R366		RD-AZ471J-	R CARBON FILM	1/6 470 OHM J
R367		RD-AZ431J-	R CARBON FILM	1/6 430 OHM J
R368		RD-AZ103J-	R CARBON FILM	1/6 10K OHM K
R369		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R374		RD-AZ513J-	R CARBON FILM	1/6 51K OHM J
R376		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R391		RV5417103E	R SEMI FIXED	RH-0615C 10KB H-TYPE
R392		RV5417103E	R SEMI FIXED	RH-0615C 10KB H-TYPE
R393		RV5417103E	R SEMI FIXED	RH-0615C 10KB H-TYPE
R394		RV5417103E	R SEMI FIXED	RH-0615C 10KB H-TYPE
R395		RV5417221E	R SEMI FIXED	RH-0615C 220KB H-TYPE
R396		RV5417103E	R SEMI FIXED	RH-0615C 10KB H-TYPE
R397		RV5417103E	R SEMI FIXED	RH-0615C 10KB H-TYPE
R401		RD-AZ221J-	R CARBON FILM	1/6 220 OHM J
R402		RD-AZ821J-	R CARBON FILM	1/6 820 OHM J
R403		RD-AZ821J-	R CARBON FILM	1/6 820 OHM J
R404		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R405		RD-AZ332J-	R CARBON FILM	1/6 3.3K OHM J

LOC	AJ	PART CODE	PART NAME	PART DESC
R406		RD-AZ152J-	R CARBON FILM	1/6 1.5K OHM J
R407		RD-AZ471J-	R CARBON FILM	1/6 470 OHM J
R408		RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R409		RD-AZ471J-	R CARBON FILM	1/6 470 OHM J
R410		RD-AZ152J-	R CARBON FILM	1/6 1.5K OHM J
R411		RD-AZ332J-	R CARBON FILM	1/6 3.3K OHM J
R412		RD-AZ182J-	R CARBON FILM	1/6 1.8K OHM J
R413		RD-AZ392J-	R CARBON FILM	1/6 3.9K OHM J
R414		RD-AZ392J-	R CARBON FILM	1/6 3.9K OHM J
R422		RD-AZ821J-	R CARBON FILM	1/6 820 OHM J
R423		RD-AZ152J-	R CARBON FILM	1/6 1.5K OHM J
R425		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R452		RD-AZ511J-	R CARBON FILM	1/6 510 OHM J
R453		RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R454		RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R455		RD-AZ101J-	R CARBON FILM	1/6 100 OHM J
R456		RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R457		RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R491		RV5417222E	R SEMI FIXED	RH-0615C 2.2KB H-TYPE
R501		RD-AZ474J-	R CARBON FILM	1/6 470K OHM J
R502		RD-AZ471J-	R CARBON FILM	1/6 470 OHM J
R503		RD-AZ473J-	R CARBON FILM	1/6 47K OHM J
R504		RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J
R505		RD-AZ471J-	R CARBON FILM	1/6 470 OHM J
R506		RD-AZ512J-	R CARBON FILM	1/6 5.1K OHM J
R507		RD-AZ225J-	R CARBON FILM	1/6 2.2K OHM J
R508		RD-AZ913J-	R CARBON FILM	1/6 91K OHM J
R509		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R510		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R516		RD-AZ332J-	R CARBON FILM	1/6 3.3K OHM J
R517		RD-AZ333J-	R CARBON FILM	1/6 33K OHM J
R518		RD-AZ333J-	R CARBON FILM	1/6 33K OHM J
R522		RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R523		RD-AZ202J-	R CARBON FILM	1/6 2K OHM J
R524		RD-AZ393J-	R CARBON FILM	1/6 39K OHM J
R526		RD-AZ122J-	R CARBON FILM	1/6 1.2K OHM J
R527		RD-AZ301J-	R CARBON FILM	1/6 300 OHM J
R528		RD-AZ301J-	R CARBON FILM	1/6 300 OHM J
R529		RD-AZ104J-	R CARBON FILM	1/6 100K OHM J
R530		RD-AZ333J-	R CARBON FILM	1/6 33K OHM J
R531		RD-AZ154J-	R CARBON FILM	1/6 150K OHM J
R532		RD-AZ154J-	R CARBON FILM	1/6 150K OHM J
R533		RD-AZ204J-	R CARBON FILM	1/6 200K OHM J
R534		RD-AZ104J-	R CARBON FILM	1/6 100K OHM J
R535		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R537		RD-AZ302J-	R CARBON FILM	1/6 3K OHM J
R538		RD-AZ225J-	R CARBON FILM	1/6 2.2K OHM J

LOC	AJ	PART CODE	PART NAME	PART DESC
R539		RD-AZ473J-	R CARBON FILM	1/6 47K OHM J
R542		RD-AZ222J-	R CARBON FILM	1/6 2.2K OHM J
R554		RD-AZ104J-	R CARBON FILM	1/6 100K OHM J
R555		RD-AZ124J-	R CARBON FILM	1/6 120K OHM J
R557		RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R558		RD-AZ562J-	R CARBON FILM	1/6 5.6K OHM J
R564		RD-AZ820J-	R CARBON FILM	1/6 82 OHM J
R565		RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R566		RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J
R567		RD-AZ105J-	R CARBON FILM	1/6 1M OHM J
R568		RD-AZ474J-	R CARBON FILM	1/6 470K OHM J
R569		RD-AZ624J-	R CARBON FILM	1/6 620K OHM J
R570		RD-AZ225J-	R CARBON FILM	1/6 2.2M OHM J
R571		RD-AZ684J-	R CARBON FILM	1/6 680K OHM J
R572		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R573		RD-AZ224J-	R CARBON FILM	1/6 220K OHM J
R576		RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J
R577		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R578		RD-AZ153J-	R CARBON FILM	1/6 15K OHM J
R580		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R581		RD-AZ302J-	R CARBON FILM	1/6 3K OHM J
R582		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R591		RV5417474E	R SEMI FIXED	RH-0615C 470KB H-TYPE
R594		RV5417104E	R SEMI FIXED	RH-0615C 100KB (H TYPE)
R595		RV5417104E	R SEMI FIXED	RH-0615C 100KB (H TYPE)
R596		RV5417224E	R SEMI FIXED	RH-0615C 220KB (H TYPE)
R597		RV5417224E	R SEMI FIXED	RH-0615C 220KB (H TYPE)
R601		RD-AZ222J-	R CARBON FILM	1/6 2.2K OHM J
R603		RD-AZ222J-	R CARBON FILM	1/6 2.2K OHM J
R604		RD-AZ222J-	R CARBON FILM	1/6 2.2K OHM J
R605		RD-AZ222J-	R CARBON FILM	1/6 2.2K OHM J
R606		RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R607		RD-AZ222J-	R CARBON FILM	1/6 2.2K OHM J
R608		RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R609		RD-AZ222J-	R CARBON FILM	1/6 2.2K OHM J
R610		RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J
R611		RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J
R612		RD-AZ331J-	R CARBON FILM	1/6 330 OHM J
R613		RD-AZ361J-	R CARBON FILM	1/6 360 OHM J
R614		RD-AZ751J-	R CARBON FILM	1/6 750 OHM J
R615		RD-AZ152J-	R CARBON FILM	1/6 1.5K OHM J
R620		RD-AZ274J-	R CARBON FILM	1/6 270K OHM J
R621		RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J
R622		RD-AZ432J-	R CARBON FILM	1/6 4.3K OHM J
R625		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R626		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R629		RD-AZ101J-	R CARBON FILM	1/6 100 OHM J

LOC	A/J	PART CODE	PART NAME	PART DESC
R630		RD-AZ471J-	R CARBON FILM	1/6 470 OHM J
R631		RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J
R632		RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J
R633		RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J
R634		RD-AZ222J-	R CARBON FILM	1/6 2.2K OHM J
R636		RD-AZ220J-	R CARBON FILM	1/6 2K OHM J
R637		RD-AZ432J-	R CARBON FILM	1/6 4.3K OHM J
R638		RD-AZ222J-	R CARBON FILM	1/6 2.2K OHM J
R639		RD-AZ222J-	R CARBON FILM	1/6 2.2K OHM J
R640		RD-AZ222J-	R CARBON FILM	1/6 2.2K OHM J
R646		RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J
R647		RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J
R649		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R652		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R653		RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J
R654		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R656		RD-AZ222J-	R CARBON FILM	1/6 2.2K OHM J

LOC	A/J	PART CODE	PART NAME	PART DESC
R657		RD-AZ431J-	R CARBON FILM	1/6 430 OHM J
R658		RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J
R659		RD-AZ301J-	R CARBON FILM	1/6 300 OHM J
R660		RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J
R661		RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J
R662		RS02H399JF	R M-OXIDE	2W 3.9 OHM J FLAME PROOF
R663		RD-AZ221J-	R CARBON FILM	1/6 220 OHM J
R664		RD-AZ681J-	R CARBON FILM	1/6 680 OHM J
R665		RD-AZ681J-	R CARBON FILM	1/6 680 OHM J
R667		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
XS51		5P4R43HC49	CRYSTAL	4.43 MHZ
XS52		5PEFDDBR124	FILTER COMB	EFD-BR124A13H
XV01		5PHC18U10M	CRYSTAL	HC-18/U 10.00000 MHZ
ZS01		5PSFE416MB	FILTER CERA	SFE 4.16MB
ZS51		5PDBLP1006	FILTER LC	DBLP1006 4.43MHZ. 1.6MHZ
ZS52		5PDBP1007-	FILTER LC	DBP1007 5.06MHZ
Z301		5PDLP1005-	FILTER LC	DLP1005 3.0MHZ

#### 8-2-5. TIMER PCB ASS'Y (VCR-52DAD)

LOC	A/J	PART CODE	PART NAME	PART DESC
B701		97P6518030	PCB TIMER	VCR-52DAU TIMER PCB-A
C702		CXCH1H130J	C CERA	CH 50V 13PF J
C703		CXCH1H300J	C CERA	CH 50V 30PF J TAPING
C704		CXCH1H509D	C CERA	CH 50V 5PF D
C705		CXCH1H130J	C CERA	CH 50V 13PF J
C706		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C708		CBXF1H104Z	C CERA SEMI	HIKF 50V 0.1MF Z TAPING
C709		CBXF1H104Z	C CERA SEMI	HIKF 50V 0.1MF Z TAPING
C710		CBXF1H104Z	C CERA SEMI	HIKF 50V 0.1MF Z TAPING
C711		CBXF1H104Z	C CERA SEMI	HIKF 50V 0.1MF Z TAPING
C712		CXSL1H391J	C CERA	SL 50V 390PF J
D702		DZN4148-	DIODE	1N4148 (AUTO)
D703		DZN4148-	DIODE	1N4148 (AUTO)
D704		DZN4148-	DIODE	1N4148 (AUTO)
D705		DZN4148-	DIODE	1N4148 (AUTO)
D706		DZN4148-	DIODE	1N4148 (AUTO)
D707		DZN4148-	DIODE	1N4148 (AUTO)
D708		DZN4148-	DIODE	1N4148 (AUTO)
D709		DZN4148-	DIODE	1N4148 (AUTO)
D710		DZN4148-	DIODE	1N4148 (AUTO)
D711		DZN4148-	DIODE	1N4148 (AUTO)
D715		DZN4148-	DIODE	1N4148 (AUTO)
D716		DZN4148-	DIODE	1N4148 (AUTO)
D721		DZN4148-	DIODE	1N4148 (AUTO)
D722		DZN4148-	DIODE	1N4148 (AUTO)
G701		DCPF2294GR	DIGITRON	CPF2294GR

LOC	A/J	PART CODE	PART NAME	PART DESC
H701		1GP1U011-	IC (PRE AMP)	GP1U011
IC701		1MB5208VT	IC	DMB5208VT (M50754-372SP)
IC702		1M58655P-	IC	M58655P-EA-ROM/32POS.
M701		97P2314900	HOLDER DIGITRON	ABS
Q702		TZTC1815Y-	TR	KTC1815Y (AUTO)
R703		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R704		RD-AZ106J-	R CARBON FILM	1/4 10M OHM J
R705		RD-AZ104J-	R CARBON FILM	1/6 100K OHM J
R706		RD-AZ105J-	R CARBON FILM	1/6 1M OHM J
R707		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R708		RD-AZ473J-	R CARBON FILM	1/6 47K OHM J
R709		RD-AZ473J-	R CARBON FILM	1/6 47K OHM J
R710		RD-AZ473J-	R CARBON FILM	1/6 47K OHM J
R711		RD-AZ473J-	R CARBON FILM	1/6 47K OHM J
R712		RV6119504L	R SEMI FIXED	CET92L-500KB BLACK
R713		5V1504003B	VR ROTARY	RK09K1130 (500KB CC)
R715		RD-AZ153J-	R CARBON FILM	1/6 15K OHM J
R716		RD-AZ153J-	R CARBON FILM	1/6 15K OHM J
R717		RD-AZ153J-	R CARBON FILM	1/6 15K OHM J
R718		RD-AZ153J-	R CARBON FILM	1/6 15K OHM J
R719		RD-AZ153J-	R CARBON FILM	1/6 15K OHM J
R721		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R722		RD-AZ301J-	R CARBON FILM	1/6 300 OHM J
R723		RD-AZ302J-	R CARBON FILM	1/6 3K OHM J
R724		RD-AZ392J-	R CARBON FILM	1/6 3.9K OHM J
R725		RD-AZ123J-	R CARBON FILM	1/6 12K OHM J

LOC	A/J	PART CODE	PART NAME	PART DESC
S701		5340101010	SW PUSH (TACT)	KHH 10902
S702		5S30203002	SW SLIDE	SSJ-823
S704		5340101010	SW PUSH (TACT)	KHH 10902
S705		5340101010	SW PUSH (TACT)	KHH 10902
S706		5340101010	SW PUSH (TACT)	KHH 10902
S707		5340101010	SW PUSH (TACT)	KHH 10902
S708		5340101010	SW PUSH (TACT)	KHH 10902
S709		5340101010	SW PUSH (TACT)	KHH 10902
S710		5340101010	SW PUSH (TACT)	KHH 10902
S711		5340101010	SW PUSH (TACT)	KHH 10902
S712		5340101010	SW PUSH (TACT)	KHH 10902
S713		5340101010	SW PUSH (TACT)	KHH 10902
S714		5340101010	SW PUSH (TACT)	KHH 10902
S715		5340101010	SW PUSH (TACT)	KHH 10902
S716		5340101010	SW PUSH (TACT)	KHH 10902
S717		5340101010	SW PUSH (TACT)	KHH 10902
S718		5340101010	SW PUSH (TACT)	KHH 10902

LOC	A/J	PART CODE	PART NAME	PART DESC
S719		5340101010	SW PUSH (TACT)	KHH 10902
S720		5340101010	SW PUSH (TACT)	KHH 10902
S721		5340101010	SW PUSH (TACT)	KHH 10902
S722		5340101010	SW PUSH (TACT)	KHH 10902
X701		5PCF333S11	CRYSTAL	EXYCF333S11
X702		5PHC18U419	CRYSTAL	HC-52DA/52DAU/32DAU
BL01		97P6518120	PCB FRONT	VCR-52/32DAU/52DAU
DL01		DDL1LRN-	LED	DL1LRN
SL01		5340101010	SW PUSH (TACT)	KHH 10902
SL02		5340101010	SW PUSH (TACT)	KHH 10902
SL03		5340101010	SW PUSH (TACT)	KHH 10902
SL04		5340101010	SW PUSH (TACT)	KHH 10902
SL05		5340101010	SW PUSH (TACT)	KHH 10902
SL06		5340101010	SW PUSH (TACT)	KHH 10902
SL07		5340101010	SW PUSH (TACT)	KHH 10902
SL08		5340101010	SW PUSH (TACT)	KHH 10902

#### 8-2-6. TIMER PCB ASS'Y (VCR-32DAD, 32DAP(AB), 32DAP(Q8))

LOC	A/J	PART CODE	PART NAME	PART DESC
B701		97P6518030	PCB TIMER	VCR-52DAU TIMER PCB A
C702		CXCH1H130J	C CERA	CH 50V 13PF J
C703		CXCH1H300J	C CERA	CH 50V 30PF J TAPING
C704		CXCH1H509D	C CERA	CH 50V 5PF D
C705		CXCH1H130J	C CERA	CH 50V 13PF J
C706		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C708		CBXF1H104Z	C CERA SEMI	HIKF 50V 0.1MF Z TAPING
C709		CBXF1H104Z	C CERA SEMI	HIKF 50V 0.1MF Z TAPING
C710		CBXF1H104Z	C CERA SEMI	HIKF 50V 0.1MF Z TAPING
C711		CBXF1H104Z	C CERA SEMI	HIKF 50V 0.1MF Z TAPING
C712		CXSL1H391J	C CERA	SL 50V 390PF J
D702		DZN4148-	DIODE	1N4148 (AUTO)
D703		DZN4148-	DIODE	1N4148 (AUTO)
D704		DZN4148-	DIODE	1N4148 (AUTO)
D705		DZN4148-	DIODE	1N4148 (AUTO)
D706		DZN4148-	DIODE	1N4148 (AUTO)
D707		DZN4148-	DIODE	1N4148 (AUTO)
D708		DZN4148-	DIODE	1N4148 (AUTO)
D709		DZN4148-	DIODE	1N4148 (AUTO)
D710		DZN4148-	DIODE	1N4148 (AUTO)
D711		DZN4148-	DIODE	1N4148 (AUTO)
D714		DZN4148-	DIODE	1N4148 (AUTO)
D715		DZN4148-	DIODE	1N4148 (AUTO)
D716		DZN4148-	DIODE	1N4148 (AUTO)
D718		DZN4148-	DIODE	1N4148 (AUTO)
D721		DZN4148-	DIODE	1N4148 (AUTO)

LOC	A/J	PART CODE	PART NAME	PART DESC
D722		DZN4148-	DIODE	1N4148 (AUTO)
G701		DCPF2294GR	DIGITRON	CPF2294GR
H701		1GP1U011-	IC (PRE AMP)	GP1U011
IC701		1MB5208VT	IC	DMB5208VT (M50754-372SP)
IC702		1M58659P-	IC	M58659P EA-ROM/16POS
Q702		TZTC1815Y-	TR	KTC1815Y (AUTO)
R703		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R704		RD-AZ106J-	R CARBON FILM	1/4 10K OHM J
R705		RD-AZ104J-	R CARBON FILM	1/6 100K OHM J
R706		RD-AZ105J-	R CARBON FILM	1/6 1M OHM J
R707		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R708		RD-AZ473J-	R CARBON FILM	1/6 47K OHM J
R709		RD-AZ473J-	R CARBON FILM	1/6 47K OHM J
R710		RD-AZ473J-	R CARBON FILM	1/6 47K OHM J
R711		RD-AZ473J-	R CARBON FILM	1/6 47K OHM J
R713		5V1504003B	VR ROTARY	RK09K1130 (500KB CC)
R715		RD-AZ153J-	R CARBON FILM	1/6 15K OHM J
R716		RD-AZ153J-	R CARBON FILM	1/6 15K OHM J
R717		RD-AZ153J-	R CARBON FILM	1/6 15K OHM J
R718		RD-AZ153J-	R CARBON FILM	1/6 15K OHM J
R719		RD-AZ153J-	R CARBON FILM	1/6 15K OHM J
R721		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R722		RD-AZ301J-	R CARBON FILM	1/6 300 OHM J
R723		RD-AZ224J-	R CARBON FILM	1/6 220K OHM J
R725		RD-AZ244J-	R CARBON FILM	1/6 240K OHM J
S701		5340101010	SW PUSH (TACT)	KHH 10902

LOC	A/J	PART CODE	PART NAME	PART DESC
S702		5340101010	SW PUSH (TACT)	KHH 10902
S704		5340101010	SW PUSH (TACT)	KHH 10902
S705		5340101010	SW PUSH (TACT)	KHH 10902
S706		5340101010	SW PUSH (TACT)	KHH 10902
S707		5340101010	SW PUSH (TACT)	KHH 10902
S708		5340101010	SW PUSH (TACT)	KHH 10902
S709		5340101010	SW PUSH (TACT)	KHH 10902
S710		5340101010	SW PUSH (TACT)	KHH 10902
S711		5340101010	SW PUSH (TACT)	KHH 10902
S712		5340101010	SW PUSH (TACT)	KHH 10902
S713		5340101010	SW PUSH (TACT)	KHH 10902

LOC	A/J	PART CODE	PART NAME	PART DESC
S714		5340101010	SW PUSH (TACT)	KHH 10902
S715		5340101010	SW PUSH (TACT)	KHH 10902
S716		5340101010	SW PUSH (TACT)	KHH 10902
S717		5340101010	SW PUSH (TACT)	KHH 10902
S718		5340101010	SW PUSH (TACT)	KHH 10902
S719		5340101010	SW PUSH (TACT)	KHH 10902
S720		5340101010	SW PUSH (TACT)	KHH 10902
S721		5340101010	SW PUSH (TACT)	KHH 10902
S722		5340101010	SW PUSH (TACT)	KHH 10902
X701		5PCF33S11	EYX-CF33S11	
X702		5PHC18U419	CRYSTAL	HC-18/U 4.194304MHZ

#### 8-2-7. TIMER PCB ASS'Y (VCR-32 DAP)

LOC	A/J	PART CODE	PART NAME	PART DESC
B701		97P6518030	PCB TIMER	VCR-52DAU TIMER PCB-A
C702		CXCH1H130J	C CERA	CH 50V 13PF J
C703		CXCH1H300J	C CERA	CH 50V 30PF J TAPING
C704		CXCH1H509D	C CERA	CH 50V 5PF D
C705		CXCH1H130J	C CERA	CH 50V 13PF J
C706		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C708		CBXF1H104Z	C CERA SEMI	HIKF 50V 0.01MF Z TAPING
C709		CBXF1H104Z	C CERA SEMI	HIKF 50V 0.01MF Z TAPING
C710		CBXF1H104Z	C CERA SEMI	HIKF 50V 0.01MF Z TAPING
C711		CBXF1H104Z	C CERA SEMI	HIKF 50V 0.01MF Z TAPING
C712		CXSL1H391J	C CERA	SL 50V 390PF J
D702		DZN4148-	DIODE	1N4148 (AUTO)
D703		DZN4148-	DIODE	1N4148 (AUTO)
D704		DZN4148-	DIODE	1N4148 (AUTO)
D705		DZN4148-	DIODE	1N4148 (AUTO)
D706		DZN4148-	DIODE	1N4148 (AUTO)
D707		DZN4148-	DIODE	1N4148 (AUTO)
D708		DZN4148-	DIODE	1N4148 (AUTO)
D709		DZN4148-	DIODE	1N4148 (AUTO)
D710		DZN4148-	DIODE	1N4148 (AUTO)
D711		DZN4148-	DIODE	1N4148 (AUTO)
D715		DZN4148-	DIODE	1N4148 (AUTO)
D716		DZN4148-	DIODE	1N4148 (AUTO)
D718		DZN4148-	DIODE	1N4148 (AUTO)
D719		DZN4148-	DIODE	1N4148 (AUTO)
D721		DZN4148-	DIODE	1N4148 (AUTO)
D722		DZN4148-	DIODE	1N4148 (AUTO)
G701		DCPF2312GR	DIGITRON	CPF2312GR (PAL-I)
H701		1GP1U011-	IC (PRE AMP)	GP1U011
IC701		1MB5208VT-	IC	DMB5208VT (M50754-372SP)
IC702		1M58659P-	IC	M58659P EA-ROM/16POS.
Q702		TZTC1815Y-	TR	KTC1815Y (AUTO)

LOC	A/J	PART CODE	PART NAME	PART DESC
R703		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R704		RD-4Z106J-	R CARBON FILM	1/4 10M OHM J
R705		RD-AZ104J-	R CARBON FILM	1/6 100K OHM J
R706		RD-AZ105J-	R CARBON FILM	1/6 1M OHM J
R707		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R708		RD-AZ473J-	R CARBON FILM	1/6 47K OHM J
R709		RD-AZ473J-	R CARBON FILM	1/6 47K OHM J
R710		RD-AZ473J-	R CARBON FILM	1/6 47K OHM J
R711		RD-AZ473J-	R CARBON FILM	1/6 47K OHM J
R713		5V1504003B	VR ROTARY	RK09K1130 (500KB CC)
R715		RD-AZ153J-	R CARBON FILM	1/6 15K OHM J
R716		RD-AZ153J-	R CARBON FILM	1/6 15K OHM J
R717		RD-AZ153J-	R CARBON FILM	1/6 15K OHM J
R718		RD-AZ153J-	R CARBON FILM	1/6 15K OHM J
R719		RD-AZ153J-	R CARBON FILM	1/6 15K OHM J
R721		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R722		RD-AZ301J-	R CARBON FILM	1/6 300K OHM J
R723		RD-AZ224J-	R CARBON FILM	1/6 220K OHM J
R725		RD-AZ244J-	R CARBON FILM	1/6 240K OHM J
S701		5340101010	SW PUSH (TACT)	KHH 10902
S702		5S30203002	SW SLIDE	SSJ-823
S704		5340101010	SW PUSH (TACT)	KHH 10902
S705		5340101010	SW PUSH (TACT)	KHH 10902
S706		5340101010	SW PUSH (TACT)	KHH 10902
S707		5340101010	SW PUSH (TACT)	KHH 10902
S708		5340101010	SW PUSH (TACT)	KHH 10902
S709		5340101010	SW PUSH (TACT)	KHH 10902
S710		5340101010	SW PUSH (TACT)	KHH 10902
S711		5340101010	SW PUSH (TACT)	KHH 10902
S712		5340101010	SW PUSH (TACT)	KHH 10902
S713		5340101010	SW PUSH (TACT)	KHH 10902
S714		5340101010	SW PUSH (TACT)	KHH 10902

LOC	A/J	PART CODE	PART NAME	PART DESC
S715		5340101010	SW PUSH (TACT)	KHH 10902
S716		5340101010	SW PUSH (TACT)	KHH 10902
S717		5340101010	SW PUSH (TACT)	KHH 10902
S718		5340101010	SW PUSH (TACT)	KHH 10902
S719		5340101010	SW PUSH (TACT)	KHH 10902

LOC	A/J	PART CODE	PART NAME	PART DESC
S720		5340101010	SW PUSH (TACT)	KHH 10902
S721		5340101010	SW PUSH (TACT)	KHH 10902
S722		5340101010	SW PUSH (TACT)	KHH 10902
X701		5PCF333S11	CRYSTAL	EYX-CF333S11
X702		5PHC18U419	CRYSTAL	HC-18/U 4.194304MHZ

### 8-2-8. TIMER PCB ASS'Y (VCR-52VAD)

LOC	A/J	PART CODE	PART NAME	PART DESC
B701		97P6524200	PCB TIMER	VCR-52VAD TIMER PCB-A
C702		CXCH1H130J	C CERA	CH 50V 13PF J
C703		CXCH1H300J	C CERA	CH 50V 30PF J TAPING
C704		CXCH1H509D	C CERA	CH 50V 5PF D
C705		CXCH1H130J	C CERA	CH 50V 13PF J
C706		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C708		CBXF1H104Z	C CERA SEMI	HIKF 50V 0.1MF Z TAPING
C709		CBXF1H104Z	C CERA SEMI	HIKF 50V 0.1MF Z TAPING
C710		CBXF1H104Z	C CERA SEMI	HIKF 50V 0.1MF Z TAPING
C712		CXSL1H391J	C CERA	SL 50V 390PF J
D702		DZN4148-	DIODE	1N4148 (AUTO)
D703		DZN4148-	DIODE	1N4148 (AUTO)
D704		DZN4148-	DIODE	1N4148 (AUTO)
D705		DZN4148-	DIODE	1N4148 (AUTO)
D706		DZN4148-	DIODE	1N4148 (AUTO)
D707		DZN4148-	DIODE	1N4148 (AUTO)
D708		DZN4148-	DIODE	1N4148 (AUTO)
D709		DZN4148-	DIODE	1N4148 (AUTO)
D710		DZN4148-	DIODE	1N4148 (AUTO)
D711		DZN4148-	DIODE	1N4148 (AUTO)
D712		DZN4148-	DIODE	1N4148 (AUTO)
D715		DZN4148-	DIODE	1N4148 (AUTO)
D716		DZN4148-	DIODE	1N4148 (AUTO)
D721		DZN4148-	DIODE	1N4148 (AUTO)
D722		DZN4148-	DIODE	1N4148 (AUTO)
D723		DZN4148-	DIODE	1N4148 (AUTO)
D724		DZN4148-	DIODE	1N4148 (AUTO)
G701		DCPF2267GR	DIGITRON	CPF2267GR
H701		1BX1407-	IC UNIT R/RECEIVER	BX1407 (FO=38KHZ) PREAMP
IC701		1MB521VP-	IC	DMB5210VP (M50954-390SP)
IC702		1M58655P-	IC	M58655P-EA-ROM/32POS.
R703		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R704		RD-4Z106J-	R CARBON FILM	1/6 100K OHM J
R705		RD-AZ104J-	R CARBON FILM	1/6 100K OHM J
R706		RD-AZ105J-	R CARBON FILM	1/6 1M OHM J
R708		RD-AZ473J-	R CARBON FILM	1/6 47K OHM J
R709		RD-AZ473J-	R CARBON FILM	1/6 47K OHM J

LOC	A/J	PART CODE	PART NAME	PART DESC
R710		RD-AZ473J-	R CARBON FILM	1/6 47K OHM J
R711		RD-AZ473J-	R CARBON FILM	1/6 47K OHM J
R712		RV6119504L	R SEMI FIXED	CET92L500KB BLACK
R713		5V1504003B	VR ROTARY	RK09K1130 (500KB CC.)
R715		RD-AZ153J-	R CARBON FILM	1/6 15K OHM J
R716		RD-AZ153J-	R CARBON FILM	1/6 15K OHM J
R717		RD-AZ153J-	R CARBON FILM	1/6 15K OHM J
R718		RD-AZ153J-	R CARBON FILM	1/6 15K OHM J
R719		RD-AZ153J-	R CARBON FILM	1/6 15K OHM J
R723		RD-AZ204J-	R CARBON FILM	1/6 200K OHM J
R724		RD-AZ392J-	R CARBON FILM	1/6 3.9K OHM J
R725		RD-AZ123J-	R CARBON FILM	1/6 12K OHM J
R726		RD-AZ271J-	R CARBON FILM	1/6 270 OHM J
R727		RD-AZ222J-	R CARBON FILM	1/6 2.2K OHM J
S701		5340101010	SW PUSH (TACT)	KHH 10902
S702		5S30203002	SW SLIDE	SSJ-823
S703		5340101010	SW PUSH (TACT)	KHH 10902
S704		5340101010	SW PUSH (TACT)	KHH 10902
S705		5340101010	SW PUSH (TACT)	KHH 10902
S706		5340101010	SW PUSH (TACT)	KHH 10902
S707		5340101010	SW PUSH (TACT)	KHH 10902
S708		5340101010	SW PUSH (TACT)	KHH 10902
S709		5340101010	SW PUSH (TACT)	KHH 10902
S710		5340101010	SW PUSH (TACT)	KHH 10902
S711		5340101010	SW PUSH (TACT)	KHH 10902
S712		5340101010	SW PUSH (TACT)	KHH 10902
S713		5340101010	SW PUSH (TACT)	KHH 10902
S714		5340101010	SW PUSH (TACT)	KHH 10902
S715		5340101010	SW PUSH (TACT)	KHH 10902
S716		5340101010	SW PUSH (TACT)	KHH 10902
S717		5340101010	SW PUSH (TACT)	KHH 10902
S718		5340101010	SW PUSH (TACT)	KHH 10902
S719		5340101010	SW PUSH (TACT)	KHH 10902
S720		5340101010	SW PUSH (TACT)	KHH 10902
S721		5340101010	SW PUSH (TACT)	KHH 10902
S722		5340101010	SW PUSH (TACT)	KHH 10902
X701		5PCF333S11	CRYSTAL	EYX-CF333S11
X702		5PHC18U419	CRYSTAL	HC-18/U 4.194304MHZ

**8-2-9. PIF/AUDIO PCB ASS'Y (VCR-52/32DAD, 52VAD)**

LOC	A/J	PART CODE	PART NAME	PART DESC
C101		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C102		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C103		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C104		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C105		CCXB1H102K	C CERA	HIKB 50V 1000PF K TAPING
C106		CCXB1H102K	C CERA	HIKB 50V 1000PF K TAPING
C107		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C108		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C109		CEXE1H478A	C ELECTRO	50V 0.47MF RS=5x11 TAPING
C111		CCXB1H102K	C CERA	HIKB 50V 1000PF K TAPING
C112		CEXE1H109A	C ELECTRO	50V 1MF RS=5x11 TAPING
C113		CEXE1H109A	C ELECTRO	50V 1MF RS=5x11 TAPING
C114		CMXM1H682J	C MYLAR	50V 0.0068MF J
C115		CMXM1H103J	C MYLAR	50V 0.01MF J
C116		CCXB1H222K	C CERA	HIKB 50V 2200PF K TAPING
C117		CCXF1H473Z	C CERA	HIKF 50V 0.047MF Z TAPING
C118		CXCH1H209C	C CERA	CH 50V 2PF C TAPING
C119		CXCH1H209C	C CERA	CH 50V 2PF C TAPING
C121		CXCH1H270J	C CERA	CH 50V 2PF J TAPING
C122		CXCH1H470J	C CERA	CH 50V 47PF J TAPING
C123		CXCH1H680H	C CERA	CH 50V 68PF J TAPING
C125		CEXE1C471A	C ELECTRO	16V 470MF RS=10x20 TAPING
C126		CMXM1H103J	C MYLAR	50V 0.01MF J
C127		CMXM1H332J	C MYLAR	50V 3300PF J
C128		CMXL1H562J	C MYLAR (K/D)	50V 5600PF (MEU) J
C129		CEXE1H109A	C ELECTRO	50V 1MF RS=5x11 TAPING
C130		CEXE1H109A	C ELECTRO	50V 1MF RS=5x11 TAPING
C131		CEXE1C471A	C ELECTRO	16V 470MF RS=10x20 TAPING
C133		CMXM1H104J	C MYLAR	50V 0.1MF J
C134		CMXM1H104J	C MYLAR	50V 0.1MF J
C135		CMXM1H104J	C MYLAR	50V 0.1MF J
C136		CXCH1H181J	C CERA	CH 50V 180PF J TAPING
C137		CEXE1H221A	C ELECTRO	50V 220MF RS=13x20
C138		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C139		CEXE1E101A	C ELECTRO	25V 100MF RS 8x11.5 TAPING
C140		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C141		CEXE1C100A	C ELECTRO	16V 10MF RS=5x11 TAPING
C142		CEXE1E470A	C ELECTRO	25V 47MF RS=6.3x11 TAPING
C145		CCXB1H102K	C CERA	HIKB 50V 1000PF K TAPING
C146		CEXE1V479A	C ELECTRO	35V 4.7MF RS=5x11 TAPING
C147		CEXE1C470A	C ELECTRO	16V 47MF RS 6.3x11 TAPING
C148		CBXF1H104Z	C CERA SEMI	HIKF 50V 0.1MF Z TAPING
C149		CEXE1C220A	C ELECTRO	16V 22MF RS=5x11 TAPING
C201		CCXB1H152K	C CERA	HIKB 50V 1500PF K TAPING
C203		CEXE1C470A	C ELECTRO	16V 47MF RS 6.3x11 TAPING

LOC	A/J	PART CODE	PART NAME	PART DESC
C204		CEXE1C470A	C ELECTRO	16V 47MF RS 6.3x11 TAPING
C205		CEXE1H109A	C ELECTRO	50V 1MF RS=5x11 TAPING
C207		CMXM1H153J	C MYLAR	50V 0.015MF J TAPING
C208		CEXE1H109A	C ELECTRO	50V 1MF RS=5x11 TAPING
C209		CMXM1H103J	C MYLAR	50V 0.01MF J
C210		CEXE1C470A	C ELECTRO	16V 47MF RS 6.3x11 TAPING
C211		CEXE1C479A	C ELECTRO	16V 4.7MF 5x11 RS TAPING
C212		CEXE1C220A	C ELECTRO	16V 22MF RS=5x11 TAPING
C213		CEXE1C109A	C ELECTRO	16V 1MF SM
C216		CMXM1H682J	C MYLAR	50V 0.0068MF J
C217		CEXE1C109A	C ELECTRO	16V 1MF SM
C218		CEXE1C330A	C ELECTRO	16V 33MF RS 5x11 TAPING
C219		CEXE1C470A	C ELECTRO	16V 47MF RS 6.3x11 TAPING
C220		CCXB1H472K	C CERA	HIKB 50V 4700PF K TAPING
C221		CCXB1H682K	C CERA	HIKB 50V 6800PF K TAPING
C222		CMXB2A473J	C MYLAR	100V 0.047MF J (ED)
C223		CCXB2H221K	C CERA	HIKB 500V 220PF K TAPING
C224		CEXE1E470A	C ELECTRO	25V 47MF RS=6.3x11 TAPING
C225		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C226		CCXB1H152K	C CERA	HIKB 50V 1500PF K TAPING
C227		CCXB1H472K	C CERA	HIKB 50V 4700PF K TAPING
C228		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C381		CEXE0J471A	C ELECTRO	6.3V 470MF SM
C382		CXSL1H270J	C CERA	SL 50V 27PF J TAPING
C383		CXSL1H151J	C CERA	SL 50V 150PF J TAPING
D101		DUPC574J-	DIODE ZENER	UPC574J
D104		DZN4148--	DIODE	1N4148 (AUTO)
D381		DZN4148--	DIODE	1N4148 (AUTO)
H101		4859703830	TUNER VARACTOR	VTS-1S2Z3 (A3KG1S1S2Z3)
H102		97P7202100	MODULATOR RF	115-M-1905EA (PAL-G)
IC101		1KA2914A-	IC	KA2914A
IC102		1AN5421-	IC	AN5421
IC103		1K1A75902P	IC	KIA75902P QUAD OP-AMP
IC201		1LA7096-	IC	LA7096
J101		97P6302900	JACK PHONE	JPJ-1018-01-020 (RD)
J102		97P6302900	JACK PHONE	JPJ-1018-01-020 (RD)
J103		97P6303000	JACK PHONE	JPJ-1018-01-040 (YW)
J104		97P6303000	JACK PHONE	JPJ-1018-01-040 (YW)
L101		56B440K466	COIL PIF	TRF-1336
L102		56B998K464	COIL PIF	TRF-R99K
L103		56B129K466	COIL PIF FIXED	DRF-1337
L104		56Z150J198	COIL PEAKING	EL0606RA-15UH J (AUTO)
L105		56Z568M417	COIL PEAKING	EL0606RA-0.56UH M (AUTO)
L106		56Z120J429	COIL PEAKING	EL0606RA-12UH J (AUTO)
L107		56Z139J448	COIL PEAKING	EL0606RA-1.3UH J (AUTO)

LOC	AJ	PART CODE	PART NAME	PART DESC
L108		58S0000004	COIL SIF	TRF 6702Q
L109		58B0000033	COIL PIF	TRF-1444Q
L110		58E0000010	COIL AFT	TRF-1445A (38.9MHZ. C=75P)
L201		56Z471J203	COIL PEAKING	EL0606RA-470UH J (AUTO)
L202		56Z223J402	COIL PEAKING	PC-6S-223J
L381		56Z390J433	COIL PEAKING	EL0606RA-39UH J (AUTO)
L382		56Z820J212	COIL PEAKING	EL0606RA-82 J (AUTO)
Q101		TZTC388A-	TR	KTC388A TM.FA (AUTO)
Q103		TZTC1815Y-	TR	KTC1815Y (AUTO)
Q104		TZTC1815Y-	TR	KTC1815Y (AUTO)
Q106		TZTK30AGR-	FET	KTK30A-GR (AUTO)
Q107		TKTA966Y-	TR	KTA966Y
Q108		TZTC1815Y-	TR	KTC1815Y (AUTO)
Q109		TZSR2002-	TR	KSR2002 (AUTO)
Q110		TZSR2002-	TR	KSR2002 (AUTO)
Q111		TZSR2002-	TR	KSR2002 (AUTO)
Q112		TZTC1815Y-	TR	KTC1815Y (AUTO)
Q114		TZTC1815Y-	TR	KTC1815Y (AUTO)
Q201		TZTC1959Y-	TR	KTC1959Y (AUTO)
Q381		TZTC1815Y-	TR	KTC1815Y (AUTO)
Q382		TZTA1015Y-	TR	KTA1015Y (AUTO)
Q102		RD-AZ151J-	R CARBON FILM	1/6 150 OHM J
R103		RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R104		RD-AZ562J-	R CARBON FILM	1/6 5.6K OHM J
R105		RD-AZ270J-	R CARBON FILM	1/6 27K OHM J
R106		RD-AZ471J-	R CARBON FILM	1/6 470 OHM J
R107		RV5417222E	R SEMI FIXED	RH-0615C 2.2KB H-TYPE
R108		RD-AZ561J-	R CARBON FILM	1/6 560 OHM J
R109		RD-AZ684J-	R CARBON FILM	1/6 680K OHM J
R110		RD-AZ391J-	R CARBON FILM	1/6 390 OHM J
R111		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R112		RD-AZ393J-	R CARBON FILM	1/6 39K OHM J
R113		RD-AZ393J-	R CARBON FILM	1/6 39K OHM J
R114		RD-AZ822J-	R CARBON FILM	1/6 8.2K OHM J
R115		RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R116		RD-AZ242J-	R CARBON FILM	1/6 2.4K OHM J
R117		RD-AZ272J-	R CARBON FILM	1/6 2.7K OHM J
R118		RD-AZ221J-	R CARBON FILM	1/6 220 OHM J
R119		RD-AZ221J-	R CARBON FILM	1/6 220 OHM J
R123		RD-AZ333J-	R CARBON FILM	1/6 33K OHM J
R124		RD-AZ181J-	R CARBON FILM	1/6 180 OHM J
R125		RD-AZ104J-	R CARBON FILM	1/6 100K OHM J
R126		RD-AZ184J-	R CARBON FILM	1/6 180K OHM J
R127		RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R129		RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R131		RD-AZ272J-	R CARBON FILM	1/6 2.7K OHM J
R132		RD-AZ104J-	R CARBON FILM	1/6 100K OHM J

LOC	AJ	PART CODE	PART NAME	PART DESC
R133		RD-AZ822J-	R CARBON FILM	1/6 8.2K OHM J
R134		RD-AZ393G-	R CARBON FILM	1/6 39K OHM G
R135		RD-AZ222J-	R CARBON FILM	1/6 2.2K OHM J
R136		RD-AZ822J-	R CARBON FILM	1/6 8.2K OHM J
R137		RD-AZ332J-	R CARBON FILM	1/6 3.3K OHM J
R138		RD-AZ393J-	R CARBON FILM	1/6 39K OHM J
R139		RD-AZ202J-	R CARBON FILM	1/6 2K OHM J
R140		RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R142		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R143		RD-AZ105J-	R CARBON FILM	1/6 1M OHM J
R146		RD-AZ105J-	R CARBON FILM	1/6 1M OHM J
R147		RD-AZ202J-	R CARBON FILM	1/6 2K OHM J
R148		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R149		RV5417103E	R SEMI FIXED	RH-0615C 10KB H-TYPE
R150		RD-AZ103G-	R CARBON FILM	1/6 10K OHM G
R151		RD-AZ682G-	R CARBON FILM	1/6 6.8K OHM G
R152		RD-AZ752G-	R CARBON FILM	1/6 7.5K OHM G
R153		RD-AZ273J-	R CARBON FILM	1/6 27K OHM J
R154		RD-AZ512J-	R CARBON FILM	1/6 5.1K OHM J
R155		RD-AZ273J-	R CARBON FILM	1/6 27K OHM J
R156		RD-AZ512J-	R CARBON FILM	1/6 5.1K OHM J
R157		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R158		RD-AZ303J-	R CARBON FILM	1/6 30K OHM J
R159		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R160		RD-AZ303J-	R CARBON FILM	1/6 30K OHM J
R161		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R171		RD-AZ121J-	R CARBON FILM	1/6 120 OHM J
R172		RD-AZ134J-	R CARBON FILM	1/6 130K OHM J
R173		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R174		RD-AZ821J-	R CARBON FILM	1/6 820 OHM J
R180		RD-AZ752J-	R CARBON FILM	1/6 7.5K OHM J
R201		RD-AZ100J-	R CARBON FILM	1/6 10 OHM J
R204		RD-AZ121J-	R CARBON FILM	1/6 120 OHM J
R205		RD-AZ224J-	R CARBON FILM	1/6 220K OHM J
R206		RD-AZ682J-	R CARBON FILM	1/6 6.8K OHM J
R207		RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R208		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R209		RD-AZ513J-	R CARBON FILM	1/6 51K OHM J
R210		RD-AZ155J-	R CARBON FILM	1/6 1.5K OHM J
R211		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R212		RD-AZ242J-	R CARBON FILM	1/6 2.4K OHM J
R215		RD-AZ681J-	R CARBON FILM	1/6 680 OHM J
R216		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R217		RD-AZ153J-	R CARBON FILM	1/6 15K OHM J
R218		RD-AZ183J-	R CARBON FILM	1/6 18K OHM J
R220		RV5417224E	R SEMI FIXED	RH-0615C 220KB H-TYPE
R221		RV5417103E	R SEMI FIXED	RH-0615C 10KB H-TYPE

LOC	A/J	PART CODE	PART NAME	PART DESC
R222		RD-AZ393J-	R CARBON FILM	1/6 39K OHM J
R223		RD-AZ333J-	R CARBON FILM	1/6 33K OHM J
R224		RD-AZ333J-	R CARBON FILM	1/6 33K OHM J
R225		RD-AZ332J-	R CARBON FILM	1/6 3.3K OHM J
R226		RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J
R227		RD-AZ750J-	R CARBON FILM	1/6 75 OHM J
R228		RD-AZ750J-	R CARBON FILM	1/6 75 OHM J
R381		RD-AZ680J-	R CARBON FILM	1/6 68 OHM J
R382		RD-AZ132J-	R CARBON FILM	1/6 1.3K OHM J

LOC	A/J	PART CODE	PART NAME	PART DESC
R383		RD-AZ152J-	R CARBON FILM	1/6 1.5K OHM J
R384		RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R385		RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R386		RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R387		RD-AZ431J-	R CARBON FILM	1/6 430 OHM J
T201		5604020001	COIL BIAS OSC	DEO-004
Z101		5PF1034B-	FILTER SAW	F1034B
Z102		5PTPS55MB-	FILTER CERA	TPS-5.5MB
Z103		5PSFE55MB-	FILTER CERA	SFE 5.5MB

### 8-2-10. PIFI/AUDIO PCB ASS'Y (VCR-32DAP)

LOC	A/J	PART CODE	PART NAME	PART DESC
C101		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C102		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C103		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C104		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C105		CCXB1H102K	C CERA	HIKB 50V 1000PF K TAPING
C106		CCXB1H102K	C CERA	HIKB 50V 1000PF K TAPING
C107		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C108		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C109		CEXE1H478A	C ELECTRO	50V 0.47MF RS=5x11 TAPING
C111		CCXB1H102K	C CERA	HIKB 50V 1000PF K TAPING
C112		CEXE1H109A	C ELECTRO	50V 1MF RS=5x11 TAPING
C113		CEXE1H109A	C ELECTRO	50V 1MF RS=5x11 TAPING
C114		CMXM1H682J	C MYLAR	50V 0.0068MF J
C115		CMXM1H103J	C MYLAR	50V 0.01MF J
C116		CCXB1H222K	C CERA	HIKB 50V 2200PF K TAPING
C117		CCXF1H473Z	C CERA	HIKF 50V 0.047MF Z TAPING
C118		CXCH1H209C	C CERA	CH 50V 2PF C TAPING
C119		CXCH1H209C	C CERA	CH 50V 2PF C TAPING
C121		CXCH1H270J	C CERA	CH 50V 27PF J TAPING
C122		CXCH1H470J	C CERA	CH 50V 47PF J TAPING
C123		CXCH1H680J	C CERA	CH 50V 68PF J TAPING
C125		CEXE1C471A	C ELECTRO	16V 470MF RS=10x20 TAPING
C126		CMXM1H103J	C MYLAR	50V 0.01MF J
C127		CMXM1H332J	C MYLAR	50V 3300PF J
C128		CMXL1H562J	C MYLAR (KJD)	50V 5600 PF (MEU) J
C129		CEXE1H109A	C ELECTRO	50V 1MF RS=5x11 TAPING
C130		CEXE1H109A	C ELECTRO	50V 1MF RS=5x11 TAPING
C131		CEXE1C471A	C ELECTRO	16V 470MF RS=10x20 TAPING
C133		CMXM1H104J	C MYLAR	50V 0.1MF J
C134		CMXM1H104J	C MYLAR	50V 0.1MF J
C135		CMXM1H104J	C MYLAR	50V 0.1MF J
C136		CXCH1H181J	C CERA	CH 50V 180PF J TAPING
C137		CEXE1H221A	C ELECTRO	50V 220MF RS=13x20
C138		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING

LOC	A/J	PART CODE	PART NAME	PART DESC
C139		CEXE1E101A	C ELECTRO	25V 100MF RS 8x11.5 TAPING
C140		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C141		CEXE1C100A	C ELECTRO	16V 10MF RS=5x11 TAPING
C142		CEXE1E470A	C ELECTRO	25V 47MF RS=6.3x11 TAPING
C145		CCXB1H102K	C CERA	HIKB 50V 1000PF K TAPING
C146		CEXE1V479A	C ELECTRO	35V 4.7MF RS=5x11 TAPING
C147		CEXE1C470A	C ELECTRO	16V 47MF RS 6.3x11 TAPING
C148		CBXF1H104Z	C CERA SEMI	HIKF 50V 0.1MF Z TAPING
C149		CEXE1C220A	C ELECTRO	16V 22MF RS=5x11 TAPING
C201		CCXB1H152K	C CERA	HIKB 50V 1500PF K TAPING
C203		CEXE1C470A	C ELECTRO	16V 47MF RS 6.3x11 TAPING
C204		CEXE1C470A	C ELECTRO	16V 47MF RS 6.3x11 TAPING
C205		CEXE1H109A	C ELECTRO	50V 1MF RS=5x11 TAPING
C207		CMXM1H153J	C MYLAR	50V 0.015MF J TAPPING
C208		CEXE1H109A	C ELECTRO	50V 1MF RS=5x11 TAPING
C209		CMXM1H103J	C MYLAR	50V 0.01MF J
C210		CEXE1C470A	C ELECTRO	16V 47MF 6.3x11 TAPING
C211		CEXE1C479A	C ELECTRO	16V 4.7MF 5x11 RS TAPING
C212		CEXE1C220A	C ELECTRO	16V 22MF RS=5x11 TAPING
C213		CEXE1C109A	C ELECTRO	16V 1MF SM
C216		CMXM1H682J	C MYLAR	50V 0.0068MF J
C217		CEXE1C109A	C ELECTRO	16V 1MF SM
C218		CEXE1C330A	C ELECTRO	16V 33MF RS 5x11 TAPING
C219		CEXE1C470A	C ELECTRO	16V 47MF RS 6.3x11 TAPING
C220		CCXB1H472K	C CERA	HIKB 50V 4700PF K TAPING
C221		CCXB1H682K	C CERA	HIKB 50V 6800PF K TAPING
C222		CMXB2A473J	C MYLAR	100V 0.047MF J (ED)
C223		CCXB2H221K	C CERA	HIKB 500V 220PF K TAPING
C224		CEXE1E470A	C ELECTRO	25V 47MF RS=6.3x11 TAPING
C225		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C226		CCXB1H152K	C CERA	HIKB 50V 1500PF K TAPING
C227		CCXB1H472K	C CERA	HIKB 50V 4700PF K TAPING
C228		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C381		CEXE0J471A	C ELECTRO	6.3V 470MF SM

LOC	A/J	PART CODE	PART NAME	PART DESC
H101		4859704130	TUNER VARACTOR	VTS-UK
H102		97P7202200	MODULATOR RF	115-M-1905UA (PAL-I)
IC101		1KA2914A-	IC	KA2914A
IC102		1AN5421--	IC	AN5421
IC103		1K1A75902P	IC	KIA75902P QUAD OPAMP
IC201		1LA7096--	IC	LA7096
J101		97P6302900	JACK PHONE	JPJ-1018-01-020 (RD)
J102		97P6302900	JACK PHONE	JPJ-1018-01-020 (RD)
J103		97P6303000	JACK PHONE	JPJ-1018-01-040 (YW)
J104		97P6303000	JACK PHONE	JPJ-1018-01-040 (YW)
L101		56C558K001	COIL CHOKE	TRF-9225
L102		56B998K464	COIL PIF	TRF-R99K
L103		56B139K001	COIL PIF FIX	TRF-1452
L104		56Z150J198	COIL PEAKING	EL0606RA-15UH J (AUTO)
L105		56Z568M417	COIL PEAKING	EL0606RA-0.56UH M (AUTO)
L106		56Z120J429	COIL PEAKING	EL0606RA-12UH J (AUTO)
L107		56Z139J448	COIL PEAKING	EL0606RA 1.3UH J (AUTO)
L108		58S6000009	COIL SIF	TRF-67021
L109		58B39R5038	COIL PIF	TRF-1444U (39.5MHZ)
L110		58E39R5011	COIL AFT	TRF-1445U (39.5MHZ)
L201		56Z471J203	COIL PEAKING	EL0606RA-470UH J (AUTO)
L202		56Z223J402	COIL PEAKING	PC-6S-223J
Q101		TZTC388A-	TR	KTC388A TM.FA (AUTO)
Q103		TZTC1815Y-	TR	KTC1815Y (AUTO)
Q104		TZTC1815Y-	TR	KTC1815Y (AUTO)
Q106		TZTK30AGR-	FET	KTK30A-GR (AUTO)
Q107		TKTA966Y-	TR	KTA966Y
Q108		TZTC1815Y-	TR	KTC1815Y (AUTO)
Q111		TZSR2002-	TR	KSR2002 (AUTO)
Q112		TZTC1815Y-	TR	KTC1815Y (AUTO)
Q201		TZTC1959Y-	TR	KTC1959Y (AUTO)
Q381		TZTC1815Y-	TR	KTC1815Y (AUTO)
Q382		TZTA1015Y-	TR	KTA1015Y (AUTO)
R102		RD-AZ101J-	R CARBON FILM	1/6 100 OHM J
R103		RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R104		RD-AZ562J-	R CARBON FILM	1/6 5.6K OHM J
R105		RD-AZ270J-	R CARBON FILM	1/6 27 OHM J
R106		RD-AZ681J-	R CARBON FILM	1/6 680 OHM J
R107		RV5417222E	R SEMI FIXED	RH-0615C 2.2KB H-TYPE
R108		RD-AZ621J-	R CARBON FILM	1/6 620 OHM J
R109		RD-AZ684J-	R CARBON FILM	1/6 680K OHM J
R110		RD-AZ391J-	R CARBON FILM	1/6 390 OHM J
R111		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R112		RD-AZ393J-	R CARBON FILM	1/6 39K OHM J
R113		RD-AZ393J-	R CARBON FILM	1/6 39K OHM J
R114		RD-AZ822J-	R CARBON FILM	1/6 8.2K OHM J
R115		RD-AZ102J-	R CARBON FILM	1/6 1K OHM J

LOC	A/J	PART CODE	PART NAME	PART DESC
R116		RD-AZ242J-	R CARBON FILM	1/6 2.4K OHM J
R117		RD-AZ272J-	R CARBON FILM	1/6 180 OHM J
R118		RD-AZ181J-	R CARBON FILM	1/6 180 OHM J
R119		RD-AZ221J-	R CARBON FILM	1/6 220 OHM J
R123		RD-AZ333J-	R CARBON FILM	1/6 33K OHM J
R124		RD-AZ181J-	R CARBON FILM	1/6 180 OHM J
R125		RD-AZ104J-	R CARBON FILM	1/6 100K OHM J
R126		RD-AZ184J-	R CARBON FILM	1/6 180K OHM J
R127		RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R129		RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R131		RD-AZ272J-	R CARBON FILM	1/6 2.7K OHM J
R132		RD-AZ104J-	R CARBON FILM	1/6 100K OHM J
R133		RD-AZ222J-	R CARBON FILM	1/6 8.2K OHM J
R134		RD-AZ393G-	R CARBON FILM	1/6 39K OHM G
R135		RD-AZ222J-	R CARBON FILM	1/6 2.2K OHM J
R136		RD-AZ222J-	R CARBON FILM	1/6 8.2K OHM J
R137		RD-AZ332J-	R CARBON FILM	1/6 3.3K OHM J
R138		RD-AZ393J-	R CARBON FILM	1/6 39K OHM J
R139		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R142		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R143		RD-AZ105J-	R CARBON FILM	1/6 1M OHM J
R147		RD-AZ202J-	R CARBON FILM	1/6 2K OHM J
R148		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R149		RV5417103E	R SEMI FIXED	RH-0615C 10KB H-TYPE
R150		RD-AZ103G-	R CARBON FILM	1/6 10K OHM G
R151		RD-AZ682G-	R CARBON FILM	1/6 6.8K OHM G
R152		RD-AZ752G-	R CARBON FILM	1/6 7.5K OHM G
R153		RD-AZ273J-	R CARBON FILM	1/6 27K OHM J
R154		RD-AZ512J-	R CARBON FILM	1/6 5.1K OHM J
R155		RD-AZ273J-	R CARBON FILM	1/6 27K OHM J
R156		RD-AZ512J-	R CARBON FILM	1/6 5.1K OHM J
R157		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R158		RD-AZ303J-	R CARBON FILM	1/6 30K OHM J
R159		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R160		RD-AZ303J-	R CARBON FILM	1/6 30K OHM J
R161		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R171		RD-AZ121J-	R CARBON FILM	1/6 120 OHM J
R172		RD-AZ203J-	R CARBON FILM	1/6 20K OHM J
R173		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R180		RD-AZ752J-	R CARBON FILM	1/6 7.5K OHM J
R181		RD-AZ752J-	R CARBON FILM	1/6 7.5K OHM J
R201		RD-AZ100J-	R CARBON FILM	1/6 10 OHM J
R204		RD-AZ121J-	R CARBON FILM	1/6 120 OHM J
R205		RD-AZ224J-	R CARBON FILM	1/6 220K OHM J
R206		RD-AZ682J-	R CARBON FILM	1/6 6.8K OHM J
R207		RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R208		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J

LOC	A/J	PART CODE	PART NAME	PART DESC	LOC	A/J	PART CODE	PART NAME	PART DESC
R209		RD-AZ513J-	R CARBON FILM	1/6 51K OHM J	R226		RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J
R210		RD-AZ155J-	R CARBON FILM	1/6 1.5M OHM J	R227		RD-AZ750J-	R CARBON FILM	1/6 75 OHM J
R211		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J	R228		RD-AZ750J-	R CARBON FILM	1/6 75 OHM J
R212		RD-AZ242J-	R CARBON FILM	1/6 2.4K OHM J	R381		RD-AZ680J-	R CARBON FILM	1/6 68 OHM J
R215		RD-AZ681J-	R CARBON FILM	1/6 680 OHM J	R382		RD-AZ132J-	R CARBON FILM	1/6 1.3K OHM J
R216		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J	R383		RD-AZ152J-	R CARBON FILM	1/6 1.5K OHM J
R217		RD-AZ153J-	R CARBON FILM	1/6 15K OHM J	R384		RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R218		RD-AZ183J-	R CARBON FILM	1/6 18K OHM J	R385		RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R220		RV5417224E	R SEMI FIXED	RH-0615C 220KB H-TYPE	R386		RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R221		RV5417103E	R SEMI FIXED	RH-0615 10KB HTYPE	R387		RD-AZ431J-	R CARBON FILM	1/6 430 OHM J
R222		RD-AZ393J-	R CARBON FILM	1/6 39K OHM J	T201		5604020001	COIL BIAS USC	DEO-004
R223		RD-AZ333J-	R CARBON FILM	1/6 33K OHM J	Z101		5PF1035--	FILTER SAW	F1035
R224		RD-AZ333J-	R CARBON FILM	1/6 33K OHM J	Z102		5PTPS60MB--	FILTER CERA	TPS 6.0MB (EFC-S6ROME3)
R225		RD-AZ332J-	R CARBON FILM	1/6 3.3K OHM J	Z103		5PSFE60MB-	FILTER CERA	SFE 6.0MB

### 8-2-11. PIF/AUDIO PCB ASS'Y (VCR-32DAP (AB))

LOC	A/J	PART CODE	PART NAME	PART DESC
C101		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C102		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C103		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C104		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C105		CCXB1H102K	C CERA	HIKB 50V 1000PF K TAPING
C106		CCXB1H102K	C CERA	HIKB 50V 1000PF K TAPING
C107		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C108		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C109		CEXE1H478A	C ELECTRO	50V 0.47MF RS=5x11 TAPING
C111		CCXB1H102K	C CERA	HIKB 50V 1000PF K TAPING
C112		CEXE1H109A	C ELECTRO	50V 1MF RS=5x11 TAPING
C113		CEXE1H109A	C ELECTRO	50V 1MF RS=5x11 TAPING
C114		CMXM1H682J	C MYLAR	50V 0.0068MF J
C115		CMXM1H103J	C MYLAR	50V 0.01MF J
C116		CCXB1H222K	C CERA	HIKB 50V 2200PF K TAPING
C117		CCXF1H473Z	C CERA	HIKF 50V 0.047MF Z TAPING
C118		CXCH1H209C	C CERA	CH 50V 2PF C TAPING
C119		CXCH1H209C	C CERA	CH 50V 2PF C TAPING
C121		CXCH1H270J	C CERA	CH 50V 27PF J TAPING
C122		CXCH1H470J	C CERA	CH 50V 47PF J TAPING
C123		CXCH1H680J	C CERA	CH 50V 68PF J TAPING
C125		CEXE1C471A	C ELECTRO	16V 470MF RS=10x20 TAPING
C126		CMXM1H103J	C MYLAR	50V 0.01MF J
C127		CMXM1H332J	C MYLAR	50V 3300PF J
C128		CMXL1H562J	C MYLAR (K/D)	50V 5600PF (MEU) J
C129		CEXE1H109A	C ELECTRO	50V 1MF RS=5x11 TAPING
C130		CEXE1H109A	C ELECTRO	50V 1MF RS=5x11 TAPING
C131		CEXE1C471A	C ELECTRO	16V 470MF RS=10x20 TAPING
C133		CMXM1H104J	C MYLAR	50V 0.1MF J

LOC	A/J	PART CODE	PART NAME	PART DESC
C134		CMXM1H104J	C MYLAR	50V 0.1MF J
C135		CMXM1H104J	C MYLAR	50V 0.1MF J
C136		CXCH1H181J	C CERA	CH 50V 180PF J TAPING
C137		CEXE1H221A	C ELECTRO	50V 220MF RS=13x20
C138		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C139		CEXE1E101A	C ELECTRO	25V 100MF RS 8x11.5 TAPING
C140		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C141		CEXE1C100A	C ELECTRO	16V 10MF RS=5x11 TAPING
C142		CEXE1E470A	C ELECTRO	25V 47MF RS=6.3x11 TAPING
C145		CCXB1H102K	C CERA	HIKB 50V 1000PF K TAPING
C146		CEXE1V479A	C ELECTRO	35V 4.7MF RS=5x11 TAPING
C147		CEXE1C470A	C ELECTRO	16V 47MF RS 6.3x11 TAPING
C148		CBXF1H104Z	C CERA SEMI	HIKF 50V 0.1MF Z TAPING
C149		CEXE1C220A	C ELECTRO	16V 22MF RS=5x11 TAPING
C201		CCXB1H152K	C CERA	HIKB 50V 1500PF K TAPING
C203		CEXE1C470A	C ELECTRO	16V 47MF RS 6.3x11 TAPING
C204		CEXE1C470A	C ELECTRO	16V 47MF RS 6.3x11 TAPING
C205		CEXE1H109A	C ELECTRO	50V 1MF RS=5x11 TAPING
C207		CMXM1H153J	C MYLAR	50V 0.015MF J TAPPING
C208		CEXE1H109A	C ELECTRO	50V 1MF RS=5x11 TAPING
C209		CMXM1H103J	C MYLAR	50V 0.01MF J
C210		CEXE1C470A	C ELECTRO	16V 47MF RS 6.3x11 TAPING
C211		CEXE1C479A	C ELECTRO	16V 4.7MF 5x11 RS TAPING
C212		CEXE1C220A	C ELECTRO	16V 22MF RS=5x11 TAPING
C213		CEXE1C109A	C ELECTRO	16V 1MF SM
C216		CMXM1H682J	C MYLAR	50V 0.0068MF J
C217		CEXE1C109A	C ELECTRO	16V 1MF SM
C218		CEXE1C330A	C ELECTRO	16V 33MF RS 5x11 TAPING
C219		CEXE1C470A	C ELECTRO	16V 47MF RS 6.3x11 TAPING

LOC	A/J	PART CODE	PART NAME	PART DESC
C220		CCXB1H472K	C CERA	HIKB 50V 4700OF J TAPING
C221		CCXB1H682K	C CERA	HIKB 50V 6800PF K TAPING
C222		CMXB2A473J	C MYLAR	100V 0.047MF J (ED)
C223		CCXB2H221K	C CERA	HIKB 500V 220PF K TAPING
C224		CEXE1E470A	C ELECTRO	25V 47MF RS=6.3x11 TAPING
C225		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C226		CCXB1H152K	C CERA	HIKB 50V 1500PF K TAPING
C227		CCXB1H472K	C CERA	HIKB 50V 4700PF K TAPING
C228		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C381		CEXE0J471A	C ELECTRO	6.3V 470MF SM
D101		DUPC574J-	DIODE ZENER	UPC574J
D381		DZN4148--	DIODE	1N4148 (AUTO)
H101		97P7601700	TUNER VARACTOR	VTS-101Z
H102		97P7202200	MODULATOR RF	115-M-1905UA (PAL-I)
IC101		1KA2914A--	IC	KA2914A
IC102		1AN5421--	IC	AN5421
IC103		1K1A75902P	IC	KIA75902P QUAD OP-AMP
IC201		1LA7096--	IC	LA7096
J101		97P6302900	JACK PHONE	JPJ-1018-01-020 (RD)
J102		97P6302900	JACK PHONE	JPJ-1018-01-020 (RD)
J103		97P6303000	JACK PHONE	JPJ-1018-01-040 (YW)
J104		97P6303000	JACK PHONE	JPJ-1018-01-040 (YW)
L101		56C558K001	COIL CHOKE	TRF-9225
L102		56B998K464	COIL PIF	TRF-R99K
L103		56B129K466	COIL PIF FIXED	DRF-1337
L104		56Z150J198	COIL PEAKING	EL0606RA-15UH J (AUTO)
L105		56Z568M417	COIL PEAKING	EL0606RA-0.56UH M (AUTO)
L106		56Z120J429	COIL PEAKING	EL0606RA-12UH J (AUTO)
L107		56Z139J448	COIL PEAKING	EL0606RA-1.3UH J (AUTO)
L108		58S6000009	COIL SIF	TRF-6702I
L109		58B0000033	COIL PIF	TRF-1444Q
L110		58E0000010	COIL AFT	TRF-1445A (38.9MHZ. C=75P)
L201		56Z471J203	COIL PEAKING	EL0606RA-470UH J (AUTO)
L202		56Z223J402	COIL PEAKING	PC-6S-223J
Q101		TZTC388A-	TR	KTC388A TM. FA (AUTO)
Q103		TZTC1815Y-	TR	KTC1815Y (AUTO)
Q104		TZTC1815Y-	TR	KTC1815Y (AUTO)
Q106		TZTK30AGR-	FET	KTK30A-GR (AUTO)
Q107		TKTA966Y-	TR	KTA966Y
Q108		TZTC1815Y-	TR	KTC1815Y (AUTO)
Q109		TZSR2002-	TR	KSR2002 (AUTO)
Q110		TZSR2002-	TR	KSR2002 (AUTO)
Q111		TZSR2002-	TR	KSR2002 (AUTO)
Q112		TZTC1815Y-	TR	KTC1815Y (AUTO)
Q201		TZTC1959Y-	TR	KTC1959Y (AUTO)
Q381		TZTC1815Y-	TR	KTC1815Y (AUTO)
Q382		TZTA1015Y-	TR	KTA1015Y (AUTO)

LOC	A/J	PART CODE	PART NAME	PART DESC
R102		RD-AZ101J-	R CARBON FILM	1/6 100 OHM J
R103		RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R104		RD-AZ562J-	R CARBON FILM	1/6 5.6K OHM J
R105		RD-AZ270J-	R CARBON FILM	1/6 27 OHM J
R106		RD-AZ471J-	R CARBON FILM	1/6 470 OHM J
R107		RV5417222E	R CARBON FILM	RH-0615C 2.2KB HTYPE
R108		RD-AZ561J-	R CARBON FILM	1/6 560 OHM J
R109		RD-AZ684J-	R CARBON FILM	1/6 680K OHM J
R110		RD-AZ391J-	R CARBON FILM	1/6 390 OHM J
R111		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R112		RD-AZ393J-	R CARBON FILM	1/6 39K OHM J
R113		RD-AZ393J-	R CARBON FILM	1/6 39K OHM J
R114		RD-AZ822J-	R CARBON FILM	1/6 8.2K OHM J
R115		RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R116		RD-AZ242J-	R CARBON FILM	1/6 2.4K OHM J
R117		RD-AZ272J-	R CARBON FILM	1/6 2.7K OHM J
R118		RD-AZ391J-	R CARBON FILM	1/6 390 OHM J
R119		RD-AZ221J-	R CARBON FILM	1/6 220 OHM J
R123		RD-AZ333J-	R CARBON FILM	1/6 33K OHM J
R124		RD-AZ181J-	R CARBON FILM	1/6 180 OHM J
R125		RD-AZ104J-	R CARBON FILM	1/6 100K OHM J
R126		RD-AZ184J-	R CARBON FILM	1/6 180K OHM J
R127		RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R129		RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R131		RD-AZ272J-	R CARBON FILM	1/6 2.7K OHM J
R132		RD-AZ104J-	R CARBON FILM	1/6 100K OHM J
R133		RD-AZ822J-	R CARBON FILM	1/6 8.2K OHM J
R134		RD-AZ393G-	R CARBON FILM	1/6 39K OHM J
R135		RD-AZ222J-	R CARBON FILM	1/6 2.2K OHM J
R136		RD-AZ822J-	R CARBON FILM	1/6 8.2K OHM J
R137		RD-AZ332J-	R CARBON FILM	1/6 3.3K OHM J
R138		RD-AZ393J-	R CARBON FILM	1/6 39K OHM J
R139		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R142		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R143		RD-AZ105J-	R CARBON FILM	1/6 1M OHM J
R147		RD-AZ202J-	R CARBON FILM	1/6 2K OHM J
R148		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R149		RV5417103E	R SEMI FIXED	RH-0615C 10KB HTYPE
R150		RD-AZ103G-	R CARBON FILM	1/6 10K OHM G
R151		RD-AZ682G-	R CARBON FILM	1/6 6.8K OHM G
R152		RD-AZ752G-	R CARBON FILM	1/6 7.5K OHM G
R153		RD-AZ273J-	R CARBON FILM	1/6 27K OHM J
R154		RD-AZ512J-	R CARBON FILM	1/6 5.1K OHM J
R155		RD-AZ273J-	R CARBON FILM	1/6 27K OHM J
R156		RD-AZ512J-	R CARBON FILM	1/6 5.1K OHM J
R157		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R158		RD-AZ303J-	R CARBON FILM	1/6 30K OHM J

LOC	A/J	PART CODE	PART NAME	PART DESC
R159		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R160		RD-AZ303J-	R CARBON FILM	1/6 30K OHM J
R161		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R171		RD-AZ121J-	R CARBON FILM	1/6 120 OHM J
R172		RD-AZ203J-	R CARBON FILM	1/6 10K OHM J
R173		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R180		RD-AZ752J-	R CARBON FILM	1/6 7.5K OHM J
R181		RD-AZ752J-	R CARBON FILM	1/6 7.5K OHM J
R201		RD-AZ100J-	R CARBON FILM	1/6 10 OHM J
R204		RD-AZ121J-	R CARBON FILM	1/6 120 OHM J
R205		RD-AZ224J-	R CARBON FILM	1/6 220K OHM J
R206		RD-AZ682J-	R CARBON FILM	1/6 6.8K OHM J
R207		RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R208		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R209		RD-AZ513J-	R CARBON FILM	1/6 51K OHM J
R210		RD-AZ155J-	R CARBON FILM	1/6 1.5M OHM J
R211		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R212		RD-AZ242J-	R CARBON FILM	1/6 2.4K OHM J
R215		RD-AZ681J-	R CARBON FILM	1/6 680 OHM J

LOC	A/J	PART CODE	PART NAME	PART DESC
R216		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R217		RD-AZ153J-	R CARBON FILM	1/6 15K OHM J
R218		RD-AZ183J-	R CARBON FILM	1/6 18K OHM J
R220		RV5417224E	R SEMI FIXED	RH-0615C 220KB H-TYPE
R221		RV5417103E	R SEMI FIXED	RH-0615C 10KB H-TYPE
R222		RD-AZ393J-	R CARBON FILM	1/6 39K OHM J
R223		RD-AZ333J-	R CARBON FILM	1/6 33K OHM J
R224		RD-AZ333J-	R CARBON FILM	1/6 33K OHM J
R225		RD-AZ332J-	R CARBON FILM	1/6 3.3K OHM J
R226		RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J
R227		RD-AZ750J-	R CARBON FILM	1/6 75 OHM J
R228		RD-AZ750J-	R CARBON FILM	1/6 75 OHM J
R381		RD-AZ680J-	R CARBON FILM	1/6 68 OHM J
R382		RD-AZ132J-	R CARBON FILM	1/6 1.3K OHM J
R383		RD-AZ152J-	R CARBON FILM	1/6 1.5K OHM J
R384		RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R385		RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R386		RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R387		RD-AZ431J-	R CARBON FILM	1/6 430 OHM J

#### 8-2-12. PIF/AUDIO PCB ASS'Y (VCR-32DAP (QB))

LOC	A/J	PART CODE	PART NAME	PART DESC
C101		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C102		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C103		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C104		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C105		CCXB1H102K	C CERA	HIKB 50V 1000PF K TAPING
C106		CCXB1H102K	C CERA	HIKB 50V 1000PF K TAPING
C107		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C108		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C109		CEXE1H478A	C ELECTRO	50V 0.47MF RS=5x11 TAPING
C111		CCXB1H102K	C CERA	HIKB 50V 1000PF K TAPING
C112		CEXE1H109A	C ELECTRO	50V 1MF RS=5x11 TAPING
C113		CEXE1H109A	C ELECTRO	50V 1MF RS=5x11 TAPING
C114		CMXM1H682J	C MYLAR	50V 0.0068MF J
C115		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C116		CCXB1H222K	C CERA	HIKB 50V 2200PF K TAPING
C117		CCXF1H473Z	C CERA	HIKF 50V 0.047MF Z TAPING
C118		CXCH1H209C	C CERA	CH 50V 2PF C TAPING
C119		CXCH1H209C	C CERA	CH 50V 2PF C TAPING
C121		CXCH1H270J	C CERA	CH 50V 27PF J TAPING
C122		CXCH1H470J	C CERA	CH 50V 47PF J TAPING
C123		CXCH1H560J	C CERA	CH 50V 56PF J TAPING
C125		CEXE1C471A	C ELECTRO	16V 470MF RS=10x20 TAPING
C126		CMXM1H103J	C MYLAR	50V 0.01MF J
C127		CMXM1H332J	C MYLAR	50V 3300PF J

LOC	A/J	PART CODE	PART NAME	PART DESC
C128		CMXL1H562J	C MYLAR (K/D)	50V 5600PF (MEU) J
C129		CEXE1H109A	C ELECTRO	50V 1MF RS=5x11 TAPING
C130		CEXE1H109A	C ELECTRO	50V 1MF RS=5x11 TAPING
C131		CEXE1C471A	C ELECTRO	16V 470MF RS=10x20 TAPING
C133		CMXM1H104J	C MYLAR	50V 0.1MF J
C134		CMXM1H104J	C MYLAR	50V 0.1MF J
C135		CMXM1H104J	C MYLAR	50V 0.1MF J
C136		CXCH1H181J	C CERA	CH 50V 180PF J TAPING
C137		CEXE1H221A	C ELECTRO	50V 220MF RS=13x20
C138		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C139		CEXE1E101A	C ELECTRO	25V 100MF RS 8x11.5 TAPING
C140		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C141		CEXE1C100A	C ELECTRO	16V 10MF RS=5x11 TAPING
C142		CEXE1E470A	C ELECTRO	25V 47MF RS 6.3x11 TAPING
C145		CCXB1H102K	C CERA	HIKB 50V 1000PF K TAPING
C146		CEXE1V479A	C ELECTRO	35V 4.7MF RS=5x11 TAPING
C147		CEXE1E470A	C ELECTRO	16V 47MF RS 6.3x11 TAPING
C148		CBXF1H104Z	C CERA SEMI	HIKF 50V 0.1MF Z TAPING
C149		CEXE1C220A	C ELECTRO	16V 22MF RS=5x11 TAPING
C201		CXCB1H152K	C CERA	HIKB 50V 1500PF K TAPING
C202		CEXE1E470A	C ELECTRO	16V 47MF RS 6.3x11 TAPING
C204		CEXE1E470A	C ELECTRO	16V 47MF RS 6.3x11 TAPING
C205		CEXE1H109A	C ELECTRO	50V 1MF RS=5x11 TAPING
C207		CMXM1H153J	C MYLAR	50V 0.015MF J TAPING

LOC	A/J	PART CODE	PART NAME	PART DESC
C208		CEXE1H109A	C ELECTRO	50V 1MF RS=5x11 TAPING
C209		CMXM1H103J	C MYLAR	50V 0.01MF J
C210		CEXE1C470A	C ELECTRO	16V 47MF RS 6.3x11 TAPING
C211		CEXE1C479A	C ELECTRO	16V 4.7MF 5x11 RS TAPING
C212		CEXE1C220A	C ELECTRO	16V 22MF RS=5x11 TAPING
C213		CEXE1C109A	C ELECTRO	16V 1MF SM
C216		CMXM1H682J	C MYLAR	50V 0.0068MF J
C217		CEXE1C109A	C ELECTRO	16V 1MF SM
C218		CEXE1C330A	C ELECTRO	16V 33MF RS 5x11 TAPING
C219		CEXE1C470A	C ELECTRO	16V 47MF RS 6.3x11 TAPING
C220		CCXB1H472K	C CERA	HIKB 50V 4700PF K TAPING
C221		CCXB1H682K	C CERA	HIKB 50V 6800PF K TAPING
C222		CMXB2A473J	C MYLAR	100V 0.047MF J (ED)
C223		CCXB2H221K	C CERA	HIKB 500V 220PF K TAPING
C224		CEXE1E470A	C ELECTRO	25V 47MF RS=6.3x11 TAPING
C225		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C226		CCXB1H152K	CERA	HIKB 50V 1500PF K TAPING
C227		CCXB1H472K	C CERA	HIKB 50V 4700PF K TAPING
C228		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C381		CEXE0J471A	C ELECTRO	6.3V 470MF SM
D101		DUPC574J-	DIODE ZENER	UPC574J
D381		DZN4148--	DIODE	1N4148 (AUTO)
H101		97P7601900	TUNER VARACTOR	VTS-1LZ
H102		97P7202200	MODULATOR RF	115-M-1905UA (PAL-I)
IC101		1KA2914A-	IC	KA2914A
IC102		1AN5421--	IC	AN5421
IC103		1K1A75902P	IC	KIA75902P QUAD OP-AMP
IC201		1LA7096--	IC	LA7096
J101		97P6302900	JACK PHONE	JPJ-1018-01-020 (RD)
J102		97P6302900	JACK PHONE	JPJ-1018-01-020 (RD)
J103		97P6303000	JACK PHONE	JPJ-1018-01-040 (YW)
J104		97P6303000	JACK PHONE	JPJ-1018-01-040 (YW)
L101		56C558K002	COIL CHOKE	TRF-9225
L102		56B998K464	COIL PIF	TRF-R99K
L103		56B139K001	COIL PIF FIX	TRF-1452
L104		56Z150J198	COIL PEAKING	EL0606RA-15UH J (AUTO)
L105		56Z568M417	COIL PEAKING	EL0606RA-0.56UH M (AUTO)
L106		56Z120J429	COIL PEAKING	EL0606RA-12UH J (AUTO)
L107		56Z139J448	COIL PEAKING	EL0606RA-1.3UH (AUTO)
L108		56S6000009	COIL SIF	TRF-6702I
L109		58B39R5038	COIL PIF	TRF-1444U (39.5MHZ)
L110		58E39R5011	COIL AFT	TRF-1445U (39.5MHZ)
L201		56Z471J203	COIL PEAKING	EL0606RA-470UH J (AUTO)
L202		56Z223J402	COIL PEAKING	PC-6S-223J
Q101		TZTC388A-	TR	KTC388A TM. FA (AUTO)
Q103		TZTC1815Y-	TR	KTC1815Y (AUTO)
Q104		TZTC1815Y-	TR	KTC1815Y (AUTO)

LOC	A/J	PART CODE	PART NAME	PART DESC
Q106		TZTK30AGR-	FET	KTK30A-GR (AUTO)
Q107		TKTA966Y-	TR	KTA966Y
Q108		TZTC1815Y-	TR	KTC1815Y (AUTO)
Q109		TZSR2002-	TR	KSR2002 (AUTO)
Q110		TZSR2002-	TR	KSR2002 (AUTO)
Q111		TZSR2002-	TR	KSR2002 (AUTO)
Q112		TZTC1815Y-	TR	KTC1815Y (AUTO)
Q201		TZTC1959Y-	TR	KTC1959Y (AUTO)
Q381		TZTC1815Y-	TR	KTC1815Y (AUTO)
Q382		TZTA1015Y-	TR	KTA1015Y (AUTO)
R102		RD-AZ101J-	R CARBON FILM	1/6 100 OHM J
R103		RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R104		RD-AZ562J-	R CARBON FILM	1/6 5.6K OHM J
R105		RD-AZ270J-	R CARBON FILM	1/6 27K OHM J
R106		RD-AZ681J-	R CARBON FILM	1/6 680 OHM J
R107		RV5417222E	R SEMI FIXED	RH-0615C 2.2KB H-TYPE
R108		RD-AZ621J-	R CARBON FILM	1/6 620 OHM J
R109		RD-AZ684J-	R CARBON FILM	1/6 680K OHM J
R110		RD-AZ391J-	R CARBON FILM	1/6 390 OHM J
R111		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R112		RD-AZ393J-	R CARBON FILM	1/6 39K OHM J
R113		RD-AZ393J-	R CARBON FILM	1/6 39K OHM J
R114		RD-AZ822J-	R CARBON FILM	1/6 8.2K OHM J
R115		RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R116		RD-AZ242J-	R CARBON FILM	1/6 2.4K OHM J
R117		RD-AZ272J-	R CARBON FILM	1/6 2.7K OHM J
R118		RD-AZ221J-	R CARBON FILM	1/6 220 OHM J
R119		RD-AZ221J-	R CARBON FILM	1/6 220 OHM J
R123		RD-AZ333J-	R CARBON FILM	1/6 33K OHM J
R124		RD-AZ181J-	R CARBON FILM	1/6 180 OHM J
R125		RD-AZ104J-	R CARBON FILM	1/6 100K OHM J
R126		RD-AZ184J-	R CARBON FILM	1/6 180K OHM J
R127		RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R129		RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R131		RD-AZ272J-	R CARBON FILM	1/6 2.7K OHM J
R132		RD-AZ104J-	R CARBON FILM	1/6 100K OHM J
R133		RD-AZ822J-	R CARBON FILM	1/6 8.2K OHM J
R134		RD-AZ393G-	R CARBON FILM	1/6 39K OHM G
R135		RD-AZ222J-	R CARBON FILM	1/6 2.2K OHM J
R136		RD-AZ822J-	R CARBON FILM	1/6 8.2K OHM J
R137		RD-AZ332J-	R CARBON FILM	1/6 3.3K OHM J
R138		RD-AZ393J-	R CARBON FILM	1/6 39K OHM J
R139		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R142		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R143		RD-AZ105J-	R CARBON FILM	1/6 1M OHM J
R147		RD-AZ202J-	R CARBON FILM	1/6 2K OHM J
R148		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J

LOC	A/J	PART CODE	PART NAME	PART DESC
R149		RV5417103E	R SEMI FIXED	RH-0615C 10KB H-TYPE
R150		RD-AZ103G-	R CARBON FILM	1/6 10K OHM G
R151		RD-AZ682G-	R CARBON FILM	1/6 6.8K OHM G
R152		RD-AZ752G-	R CARBON FILM	1/6 7.5K OHM G
R153		RD-AZ273J-	R CARBON FILM	1/6 27K OHM J
R154		RD-AZ512J-	R CARBON FILM	1/6 5.1K OHM J
R155		RD-AZ273J-	R CARBON FILM	1/6 27K OHM J
R156		RD-AZ512J-	R CARBON FILM	1/6 5.1K OHM J
R157		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R158		RD-AZ303J-	R CARBON FILM	1/6 30K OHM J
R159		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R160		RD-AZ303J-	R CARBON FILM	1/6 30K OHM J
R161		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R171		RD-AZ121J-	R CARBON FILM	1/6 120 OHM J
R172		RD-AZ203J-	R CARBON FILM	1/6 20K OHM J
R173		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R180		RD-AZ752J-	R CARBON FILM	1/6 7.5K OHM J
R181		RD-AZ752J-	R CARBON FILM	1/6 7.5K OHM J
R201		RD-AZ100J-	R CARBON FILM	1/6 10K OHM J
R204		RD-AZ121J-	R CARBON FILM	1/6 120 OHM J
R205		RD-AZ224J-	R CARBON FILM	1/6 220K OHM J
R206		RD-AZ682J-	R CARBON FILM	1/6 6.8K OHM J
R207		RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R208		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R209		RD-AZ513J-	R CARBON FILM	1/6 51K OHM J
R210		RD-AZ155J-	R CARBON FILM	1/6 1.5M OHM J

LOC	A/J	PART CODE	PART NAME	PART DESC
R211		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R212		RD-AZ242J-	R CARBON FILM	1/6 2.4K OHM J
R215		RD-AZ681J-	R CARBON FILM	1/6 680 OHM J
R216		RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R217		RD-AZ153J-	R CARBON FILM	1/6 15K OHM J
R218		RD-AZ183J-	R CARBON FILM	1/6 18K OHM J
R220		RV5417224E	R SEMI FIXED	RH-0615C 220KB H-TYPE
R221		Rv5417103E	R SEMI FIXED	RH-0615C 10KB H-TYPE
R222		RD-AZ393J-	R CARBON FILM	1/6 39K OHM J
R223		RD-AZ333J-	R CARBON FILM	1/6 33K OHM J
R224		RD-AZ333J-	R CARBON FILM	1/6 33K OHM J
R225		RD-AZ332J-	R CARBON FILM	1/6 3.3K OHM J
R226		RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J
R227		RD-AZ750J-	R CARBON FILM	1/6 75 OHM J
R228		RD-AZ750J-	R CARBON FILM	1/6 75 OHM J
R381		RD-AZ680J-	R CARBON FILM	1/6 68 OHM J
R382		RD-AZ132J-	R CARBON FILM	1/6 1.3K OHM J
R383		RD-AZ152J-	R CARBON FILM	1/6 1.5K OHM J
R384		RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R385		RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R386		RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R387		RD-AZ431J-	R CARBON FILM	1/6 430 OHM J
T201		5604020001	COIL BIAS OSC	DEO-004
Z101		5PF1035-	FILTER SAW	F1035
Z102		5PTPS60MB-	FILTER CERA	TPS 6.0MB (EFC-S6R0ME3)
Z103		5PSFE60MB-	FILTER CERA	SFE 6.0MB

### 8-2-13. POWER PCB ASS'Y (VCR-52/32 DAD, 52VAD)

LOC	A/J	PART CODE	PART NAME	PART DESC
C801		CLYS2E104M	C LINE ACROSS	AC250V 0.1MF M
C802		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C803		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C804		CEYE1V3320	C ELECTRO	35V 3300PF RS (VENT CAP)
C805		CEXE1V101A	C ELECTRO	35V 100MF RS 10x12.5 TAP
C806		CEXE1E330A	C ELECTRO	25V 33MF RS TAPING
C807		CEXE1E220A	C ELECTRO	25V 22MF RS 5x11 TAPING
C808		CEXE1E220A	C ELECTRO	25V 22MF RS 5x11 TAPING
C809		CEXE1H109A	C ELECTRO	50V 1MF RS=5x11 TAPING
C810		CEYE1C222A	C ELECTRO	16V 2200MF RS 16x25
C811		CEXE2A470A	C ELECTRO	100V 47MF RS
C812		CEXE1C220A	C ELECTRO	16V 22MF RS=5x11 TAPING
C813		CEXE2A470A	C ELECTRO	100V 47MF RS
C814		CEXF1C331A	C ELECTRO	16V 330MF RSM=5x11 TAPING
C815		CEXE1E220A	C ELECTRO	25V 22MF RS 5x11 TAPING
C816		CBXF1H104Z	C CERA SEMI	HIKF 50V 0.1MF Z TAPING
C817		CEXE1E220A	C ELECTRO	25V 22MF RS 5x11 TAPING

LOC	A/J	PART CODE	PART NAME	PART DESC
C818		CEXE1C470A	C ELECTRO	16V 47MF RS 6.3x11 TAPING
D801		D30D1FC--	DIODE	30D1FC
D802		D30D1FC--	DIODE	30D1FC
D803		D30D1FC--	DIODE	30D1FC
D804		D30D1FC--	DIODE	30D1FC
D805		D1N4003--	DIODE	1N4003
D806		DZN4148--	DIODE	1N4148 (AUTO)
D807		DMA1051L-	DIODE ZENER	MA 1051L (5R1)
D808		DUZ6R8BM-	DIODE ZENER	UZ 6.8B 500MW SILICON
D809		DZN4148--	DIODE	1N4148 (AUTO)
D810		DUZ22BL--	DIODE ZENER	UZ-22BL
D811		D1N4004--	DIODE	1N4004
D812		D1N4004--	DIODE	1N4004
D813		DZN4148--	DIODE	1N4148 (AUTO)
D814		DMA1130L-	DIODE ZENER	MA1130-L ZENER 13V
F801		5F2GB5012L	FUSE	BS/VDE 500MA 250VTL179120
F801A		47P6000800	CLIP FUSE	BSP3 TO. 4 SN-2 5.2D

LOC	A/J	PART CODE	PART NAME	PART DESC
F802		5F2GB2022L	FUSE	BSVDE 2A 250V TL 179120
F802A		47P6000800	CLIP FUSE	BSP3 TO. 4 SN-2 5.2D
IC801		1K1A75902P	IC	KIA75902P QUAD OP-AMP
Q801		T2SD1273Q-	TR	2SD1273-Q CAPSTAN DRIVE
Q802		T2SD1273Q-	TR	2SD1273-Q CAPSTAN DRIVE
Q803		TZTC2236Y-	TR	KTC2236Y (AUTO)
Q804		TKTD1406Y-	TR	KTD1406Y-
Q805		TZSR1001-	TR	KSR1001 (AUTO)
Q806		TZTC2236Y-	TR	KTC2236Y (AUTO)
Q807		TKTD1406Y-	TR	KTD1406Y-
Q802		RS-2Y102J-	R M-OXIDE FILM	1/2 1K OHM J
R803		RS01F202J-	R M-OXIDE FILM	1W 2K OHM J
R804		RS02Y122J-	R M-OXIDE FILM	2W 1.2K OHM J
R805		RD-AZ432G-	R CARBON FILM	1/6 4.3K OHM J

LOC	A/J	PART CODE	PART NAME	PART DESC
R806		RD-AZ392G-	R CARBON FILM	1/6 3.9K OHM G
R807		RD-AZ432G-	R CARBON FILM	1/6 4.3K OHM G
R808		RD-AZ392G-	R CARBON FILM	1/6 3.9K OHM G
R809		RD-AZ202J-	R CARBON FILM	1/6 2K OHM J
R810		RD-AZ511J-	R CARBON FILM	1/6 510 OHM J
R811		RF-2E220J-	R FUSIBLE	1/2 22 OHM J
R812		RF-2E189J-	R FUSIBLE	1/2 1.8 OHM J
R813		RD-AZ272J-	R CARBON FILM	1/6 2.7K OHM J
R814		RD-2Y152J-	R M-OXIDE FILM	1/2 1.5K OHM J
R815		RD-AZ101J-	R CARBON FILM	1/6 100 OHM J
R816		RS-2Y122J-	R M-OXIDE FILM	1/2 1.2K OHM J
R817		RD-AZ471J-	R CARBON FILM	1/6 470 OHM J
TRAS		57PV066048	TRANS POWER	DPW-52DAD (220V)
F0230		4859901511	CORD POWER	KKP419C KLCE-2F VDE

#### 8-2-14. POWER PCB ASS'Y (VCR-32DAP)

LOC	A/J	PART CODE	PART NAME	PART DESC
C801		CLYL2E104M	C LINE ACROSS	AC250V 0.1MF M
C802		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C803		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C804		CEYE1V3320	C ELECTRO	35V 330MF RS (VENT CAP)
C805		CEXE1V101A	C ELECTRO	35V 100MF RS 10x12.5 TAP
C806		CEXE1E330A	C ELECTRO	25V 33MF RS TAPING
C807		CEXE1E220A	C ELECTRO	25V 22MF RS 5x11 TAPING
C808		CEXE1E220A	C ELECTRO	25V 22MF RS 5x11 TAPING
C809		CEXE1H109A	C ELECTRO	50V 1MF RS=5x11 TAPING
C810		CEYE1C222A	C ELECTRO	16V 2200MFRS 16x25
C811		CEXE2A470A	C ELECTRO	100V 47MF RS
C812		CEXE1C220A	C ELECTRO	16V 22MF RS=5x11 TAPING
C813		CEXE2A470A	C ELECTRO	100V 47MF RS
C814		CEXF1C331A	C ELECTRO	16V 330MF RSM=5x11 TAPING
C815		CEXE1E220A	C ELECTRO	25V 22MF RS 5x11 TAPING
C816		CBXF1H104Z	C CERA SEMI	HIKF 50V 0.1MF Z TAPING
C817		CEXE1E220A	C ELECTRO	25V 22MF RS 5x11 TAPING
C818		CEXE1C470A	C ELECTRO	16V 47MF RS 6.3x11 TAPING
D801		D30D1FC-	DIODE	30D1FC
D802		D30D1FC-	DIODE	30D1FC
D803		D30D1FC-	DIODE	30D1FC
D804		D30D1FC-	DIODE	30D1FC
D805		D1N4003-	DIODE	1N4003
D806		DZN4148-	DIODE	1N4148 (AUTO)
D807		DMA1051L-	DIODE ZENER	MA 1051L (5R1)
D808		DUZ6R8BM-	DIODE ZENER	UZ 6.8B 500MW SILICON
D809		DZN4148-	DIODE	1N4148 (AUTO)
D810		DUZ22BL-	DIODE ZENER	UZ-22BL
D811		D1N4004-	DIODE	1N4004
D812		D1N4004-	DIODE	1N4004
D813		DZN4148-	DIODE	1N4148 (AUTO)

LOC	A/J	PART CODE	PART NAME	PART DESC
D814		DMA1130L-	DIODE ZENER	MA1130-L ZENER 13V
F801		5F2GB5012L	FUSE	BSVDE 500MA 250VTL179120
F802		5F2GB2022L	FUSE	BSVDE 2A 250V TL 179120
IC801		1K1A75902P	IC	KIA75902P QUAD OP-AMP
L801		5PLF302-	FILTER LINE	LF-302-801
Q801		T2SD1273Q-	TR	2SD1273-Q CAPSTAN DRIVE
Q802		T2SD1273Q-	TR	2SD1273-Q CAPSTAN DRIVE
Q803		TZTC2236Y-	TR	KTC2236Y (AUTO)
Q804		TKTD1406Y-	TR	KTD1406Y-
Q805		TZSR1001-	TR	KSR1001 (AUTO)
Q806		TZTC2236Y-	TR	KTC2236Y (AUTO)
Q807		TKTD1406Y-	TR	KTD1406Y-
R802		RS-2Y102J-	R M-OXIDE FILM	1/2 1K OHM J
R803		RS01F202J-	R M-OXIDE FILM	1W 2K OHM J
R804		RS02Y122J-	R M-OXIDE FILM	2W 1.2K OHM J
R805		RD-AZ432G-	R CARBON FILM	1/6 4.3K OHM G
R806		RD-AZ392G-	R CARBON FILM	1/6 3.9K OHM G
R807		RD-AZ432G-	R CARBON FILM	1/6 4.3K OHM G
R808		RD-AZ392G-	R CARBON FILM	1/6 3.9K OHM G
R809		RD-AZ202J-	R CARBON FILM	1/6 2K OHM J
R810		RD-AZ511J-	R CARBON FILM	1/6 510 OHM J
R811		RF-2E220J-	R FUSIBLE	1/2 22 OHM J
R812		RF-2E189J-	R FUSIBLE	1/2 1.8 OHM J
R813		RD-AZ272J-	R CARBON FILM	1/6 2.7K OHM J
R814		RS-2Y152J-	R M-OXIDE FILM	1/2 1.5K OHM J
R815		RD-AZ101J-	R CARBON FILM	1/6 100 OHM J
R816		RD-2Y122J-	R M-OXIDE FILM	1/2 1.2K OHM J
R817		RD-AZ471J-	R CARBON FILM	1/6 470 OHM J
TRAS		57PB066049	TRANS POWER	DPW-52DAP (240V)
F0230		5990700020	CORD POWER	2.1ME W/O-PLUG BS6500

**8-2-15. POWER PCB ASS'Y (VCR-32DAP (AB))**

LOC	A/J	PART CODE	PART NAME	PART DESC
C801		CLYL2E104M	C LINE ACROSS	AC250V 0.1MF M
C802		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C803		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C804		CEYE1V3320	C ELECTRO	35V 3300MF RS (VENT CAP)
C805		CEXE1V101A	C ELECTRO	35V 100MF RS 10x12.5 TAP
C806		CEXE1E330A	C ELECTRO	25V 33MF RS TAPING
C807		CEXE1E220A	C ELECTRO	25V 22MF RS 5x11 TAPING
C808		CEXE1E220A	C ELECTRO	25V 22MF RS 5x11 TAPING
C809		CEXE1H109A	C ELECTRO	50V 1MF RS=5x11 TAPING
C810		CEYE1C222A	C ELECTRO	16V 2200MF RS 16x25
C811		CEXE2A470A	C ELECTRO	100V 47MF RS
C812		CEXE1C220A	C ELECTRO	16V 22MF RS=5x11 TAPING
C813		CEXE2A470A	C ELECTRO	100V 47MF RS
C814		CEXF1C331A	C ELECTRO	16V 330MF RSM=5x11 TAPING
C815		CEXE1E220A	C ELECTRO	25V 22MF RS 5x11 TAPING
C816		CBXF1H104Z	C CERA SEMI	HIKF 50V 0.1MF Z TAPING
C817		CEXE1E220A	C ELECTRO	25V 22MF RS 5x11 TAPING
C818		CEXE1C470A	C ELECTRO	16V 47MF RS 6.3x11 TAPING
D801		D30D1FC-	DIODE	30D1FC
D802		D30D1FC-	DIODE	30D1FC
D803		D30D1FC-	DIODE	30D1FC
D804		D30D1FC-	DIODE	30D1FC
D805		D1N4003-	DIODE	1N4003
D806		DZN4148-	DIODE	1N4148 (AUTO)
D807		DMA1051L-	DIODE ZENER	MA 1051L (5R1)
D808		DUZ6R8BM-	DIODE ZENER	UZ 6.8B 500MW SILICON
D809		DZN4148-	DIODE	1N4148 (AUTO)
D810		DUZ22BL-	DIODE ZENER	UZ-22BL
D811		D1N4004-	DIODE	1N4004
D812		D1N4004-	DIODE	1N4004
D813		DZN4148-	DIODE	1N4148 (AUTO)

LOC	A/J	PART CODE	PART NAME	PART DESC
D814		DMA1130L-	DIODE ZENER	MA1130-L ZENER 13V
F801		5F2GB5012L	FUSE	BS/VDE 500MA 250VTL179120
F802		5F2GB2022L	FUSE	BS/VDE 2A 250V TL 179120
IC801		1K1A75902P	IC	KIA75902P QUAD OPAMP
L801		5PLF302--	FILTER LINE	LF-302-801
P803		97P6239100	CONN WAFER	GIL-S-10PS2T2-EF
Q801		T2SD1273Q-	TR	2SD1273-Q CAPSTAN DRIVE
Q802		T2SD1273Q-	TR	2SD1273-Q CAPSTAN DRIVE
Q803		TZTC2236Y-	TR	KTC2236Y (AUTO)
Q804		TKTD1406Y-	TR	KTD1406Y
Q805		TZSR1001-	TR	KSR1001 (AUTO)
Q806		TZTC2236Y-	TR	KTC2236Y (AUTO)
Q807		TKTD1406Y-	TR	KTD1406Y
R802		RS-2Y102J-	R M-OXIDE FILM	1/2 1K OHM J
R803		RS01F202J-	R M-OXIDE FILM	1W 2K OHM J
R804		RS02Y122J-	R M-OXIDE FILM	2W 1.2K OHM J
R805		RD-AZ432G-	R CARBON FILM	1/6 4.3K OHM G
R806		RD-AZ392G-	R CARBON FILM	1/6 3.9K OHM G
R807		RD-AZ432G-	R CARBON FILM	1/6 4.3K OHM G
R808		RD-AZ392G-	R CARBON FILM	1/6 3.9K OHM G
R809		RD-AZ202J-	R CARBON FILM	1/6 2K OHM J
R810		RD-AZ511J-	R CARBON FILM	1/6 510 OHM J
R811		RF-2E220J-	R FUSIBLE	1/2 22 OHM J
R812		RF-2E189J-	R FUSIBLE	1/2 1.8 OHM J
R813		RD-AZ272J-	R CARBON FILM	1/6 2.7K OHM J
R814		RS-2Y152J-	R M-OXIDE FILM	1/2 1.5K OHM J
R815		RD-AZ101J-	R CARBON FILM	1/6 100 OHM J
R816		RS-2Y122J-	R M-OXIDE FILM	1/2 1.2K OHM J
R817		RD-AZ471J-	R CARBON FILM	1/6 470 OHM J
TRAS		57PB066049	TRANS POWER	DPW-52DAP (240V)
F0230		4859901511	CORD POWER	KKP-419C KLCE-2F VDE

**8-2-16. POWER PCB ASS'Y (VCR-32DAP (QB))**

LOC	A/J	PART CODE	PART NAME	PART DESC
C801		CLYS2E104M	C LINE ACROSS	AC250V 0.1MF M
C802		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C803		CCXF1H103Z	C CERA	HIKF 50V 0.01MF Z TAPING
C804		CEYE1V3320	C ELECTRO	35V 3300MF RS (VENT CAP)
C805		CEXE1V101A	C ELECTRO	35V 100MF RS 10x12.5 TAP
C806		CEXE1E330A	C ELECTRO	25V 33MF RS TAPING
C807		CEXE1E220A	C ELECTRO	25V 22MF RS 5x11 TAPING
C808		CEXE1E220A	C ELECTRO	25V 22MF RS 5x11 TAPING
C809		CEXE1H109A	C ELECTRO	50V 1MF RS=5x11 TAPING
C810		CEYE1C222A	C ELECTRO	16V 2200MF RS 16x25

LOC	A/J	PART CODE	PART NAME	PART DESC
C811		CEXE2A470A	C ELECTRO	100V 47MF RS
C812		CEXE1C220A	C ELECTRO	16V 22MF RS=5x11 TAPING
C813		CEXE2A470A	C ELECTRO	100V 47MF RS
C814		CEXF1C331A	C ELECTRO	16V 330MF RSM=5x11 TAPING
C815		CEXE1E220A	C ELECTRO	25V 22MF RS 5x11 TAPING
C816		CBXF1H104Z	C CERA SEMI	HIKF 50V 0.1MF Z TAPING
C817		CEXE1E220A	C ELECTRO	25V 22MF RS 5x11 TAPING
C818		CEXE1C470A	C ELECTRO	16V 47MF RS 6.3x11 TAPING
D801		D30D1FC-	DIODE	30D1FC
D802		D30D1FC-	DIODE	30D1FC

LOC	A/J	PART CODE	PART NAME	PART DESC
D803		D30D1FC--	DIODE	30D1FC
D804		D30D1FC--	DIODE	30D1FC
D805		D1N4003--	DIODE	1N4003
D806		DZN4148--	DIODE	1N4148 (AUTO)
D807		DMA1051L-	DIODE ZENER	MA 1051L (5R1)
D808		DUZ6R8BM--	DIODE ZENER	UZ 6.8B 500MW SILICON
D809		DZN4148--	DIODE	1N4148 (AUTO)
D810		DUZ22BL--	DIODE ZENER	UZ-22BL
D811		D1N4004--	DIODE	1N4004
D812		D1N4004--	DIODE	1N4004
D813		DZN4148--	DIODE	1N4148 (AUTO)
D814		DMA1130L-	DIODE ZENER	MA1130-L ZENER 13V
F801		5F2GB5012L	FUSE	BS/VDE 500MA 250VTL179120
F802		5F2GB2022L	FUSE	BS/VDE 2A 250V TL 179120
IC801		1K1A75902P	IC	KIA75902P QUAD OPAMP
Q801		T2SD1273Q-	TR	2SD1273-Q CAPSTAN DRIVE
Q802		T2SD1273Q-	TR	2SD1273-Q CAPSTAN DRIVE
Q803		TZTC2236Y-	TR	KTC2236Y (AUTO)
Q804		TKTD1406Y-TR	KTD1406Y-	
Q805		TZSR1001-	TR	KSR1001 (AUTO)

LOC	A/J	PART CODE	PART NAME	PART DESC
Q806		TZTC2236Y-	TR	KTC2236Y (AUTO)
Q807		TKTD1406Y-	TR	KTD1406Y-
R802		RS-2Y102J-	R M-OXIDE FILM	1/2 1K OHM J
R803		RS01F202J-	R M-OXIDE FILM	1W 2K OHM J
R804		RS02Y122J-	R M-OXIDE FILM	2W 1.2K OHM J
R805		RD-AZ432G-	R CARBON FILM	1/6 4.3K OHM G
R806		RD-AZ392G-	R CARBON FILM	1/6 3.9K OHM G
R807		RD-AZ432G-	R CARBON FILM	1/6 4.3K OHM G
R808		RD-AZ392G-	R CARBON FILM	1/6 3.9K OHM G
R809		RD-AZ202J-	R CARBON FILM	1/6 2K OHM J
R810		RD-AZ511J-	R CARBON FILM	1/6 510 OHM J
R811		RF-2E220J-	R FUSIBLE	1/2 22 OHM J
R812		RF-2E189J-	R FUSIBLE	1/2 1.8 OHM J
R813		RD-AZ272J-	R CARBON FILM	1/6 2.7K OHM J
R814		RS-2Y152J-	R M-OXIDE FILM	1/2 1.5K OHM J
R815		RD-AZ101J-	R CARBON FILM	1/6 100 OHM J
R816		RS-2Y122J-	R M-OXIDE FILM	1/2 1.2K OHM J
R817		RD-AZ471J-	R CARBON FILM	1/6 470 OHM J
TRAS		57PV066048	TRANS POWER	DPW-52DAD (220V)
F0230		59P0700020	CORD POWER	2.1MF W/O PLUG BS6500